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ABSTRACT

The Hawaii Community College System conducted a follow-up study of the 8,979 students who enrolled for the first time in fall 1975, to determine persistence rates and to ascertain the characteristics of graduates, persisters, non-persisters, and stop-outs. Those who had attended four continuous semesters and had graduated, were designated "graduates." "Persisters" were those who had attended four continuous semesters, but had not graduated. "Stop-outs" were those who had attended more than one semester, but not all four. And "non-persisters" were those who had attended one semester only. At the end of spring 1977, 8.4% were graduates, 30.9% were persisters, 35.2% were classified as stop-outs, and 25.4% were non-persisters. In general, graduates had attended Neighbor Island public high schools, were full-time students with 3.5+ GPA's, and were working for certificates in health or technology programs. Persisters tended to be less than 19 years old at entry, had attended Oahu public high schools, were full-time students working for the Associate of Science degree, were enrolled in business or hotel/food servies, and had GPA's ranging from 2.0 to 2.9. Non-persisters were usually 22 to 24 years old, graduates of Mainland or territorial high schools, and were transfers, part-time, and/or unclassified students with GPA's below 2.0 who completed less than half their attempted credits. Stop-outs and the three categories already described are analyzed by campus and program and by student characteristics within programs. Statistical data are apperded. (RT)

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ANALYSIS OF PERSISTENCE AFTER FOUR SEMESTERS

FALL 1975 ENTERING STUDENTS

BEST COPY AVAILABLE

Report No. 28

Student Flow Project

October 1977

Office of the Chancellor for Community Colleges
Educational Services Division
University of Hawaii

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FIGURE 1 Categories of Persistence, by Campus 6

A. Introduction

Our analysis of the persistence of Fall 1975 entering students, by various characteristics, is based on the number and proportion of students who:

--attended 1 semester only
--attended 2 semesters only
--attended 3 semesters only
--attended all 4 semesters
--graduated

Another report, next year, will summarize data on persistence over six semesters.

The organization of this report is similar to that prepared a year ago for Fall 1974 entering students, including:

1. data for the community college total and for each campus by 10 characteristics--sex, age, marital status, high school background, entry, status (full- or part-time), educational objective, program, grade point average, credit-completion ratio.[1]

2. data for each community college, by program clusters enrolling a minimum of 50 students and by the above characteristics.

Data are analyzed only for the following groups, arbitrarily designated as:

--graduate: student who graduated by the end of the fourth semester

--*persister:* *student who attended all four semesters but who had not graduated at the end of the fourth semester*

--non-persister: student who attended only one semester.

The above three groups comprised close to 2/3 of the Fall 1975 entering students (see Appendix A). The reader who is interested in details on stop-outs (students who attended for two semesters only or three semesters only) will find relevant data in Appendix B.

This report also includes a comparison of the persistence patterns of Fall 1975 and Fall 1974 entering students at the end of the fourth semester.

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[1] Age and entry as of Fall 1975; marital status, educational objective, and program as of Spring 1977; grade point average and credit-completion ratio are cumulative (for the four semesters); full-/part-time status is based on average of cumulative credits attempted divided by number of semesters attended.

B. Findings: Community College Total

Persistence of the Fall 1975 entering group (8,979 students) is summarized in Appendices A and B.

	Number	Percent
Attended 1 semester only	2,277	25%
Attended 2 semesters only	2,113	24%
Attended 3 semesters only	1,054	12%
Attended 4 semesters	2,779	31%
Graduated	756	8%

For purposes of analyzing stop-outs, we gathered data on persistence rates based on continuing/non-continuing status in the fourth semester. Of the 3,676 registered students (41 percent of entering group) in the fourth semester (Spring 1977):

-- 553 (15 percent) graduated at the end of that semester

--2,779 (76 percent) were 4-semester students *(persisters)*

-- 280 (8 percent) were 3-semester students

-- 64 (2 percent) were 2-semester students

Of the 5,303 non-registered students:

-- 203 (4 percent) had graduated prior to Spring 1977

-- 774 (15 percent) were 3-semester students

--2,049 (39 percent) were 2-semester students

--2,277 (43 percent) were 1-semester students (non-persisters)

Our next report on the Fall 1975 entering group will have data on the extent to which the 2,779 persisters and the stop-outs achieve graduation by the end of six semesters.

1. By Characteristics

We found that there were statistically significant differences at the .001 level in the persistence patterns of students on all 10 characteristics. To illustrate these differences, the following data show the group, by

characteristics, that had the highest (higher) proportions in each category of persistence:

	Non-Persister (1 Sem.)	*Persister (4 Sem.)*	Graduate
Total	25%	*31%*	8%
Sex	28% females	*33% males*	10% females
Age	39% 22-24 years	*38% below 19*	10% 19-21 years
Marital Status	27% married	*32% single*	9% single
High Sch. Backgr.	35% U.S. Main. & Poss.	*36% Public, Oahu*	18% Public, Neighbor Is.
Entry	32% transfer	*34% new*	10% transfer
Status	34% part-time	*40% full-time*	16% full-time
Educational Obj.	59% unclassified	*37% A.S.*	26% certificate
Program	59% unclassified	*38% hotel/food services*	40% health services 18% technology
Cum. Grade Pt. Ave.	54% below 2.0	*45% 2.0-2.9*	14% 3.5 and above
Cum. Credit-Com. Ratio	48% below .50	*59% .90-.99*	25% .90-.99

It is obvious that community college graduates are found in high proportions among students:

--who attended Neighbor Island public high schools

--who were full-time students and "successful" in the community colleges (grade point average of 3.5 and above and credit-completion ratio of .90 and above)

--who were working for certificates

--who were enrolled in the health services or technology program.

A general profile of the persisters indicates that they:

--were young (below 19 years of age at entry in Fall 1975)

--had attended Oahu public high schools

--were full-time students

--were working for A.S. degrees

--were enrolled in business or hotel/food services

--had grade point averages of 2.0-2.9 and high credit-completion ratios (.90 and above).

Non-persisters were found in high proportions among:

--the 22-24 year old group

--students who graduated from high schools on the Mainland or U.S. Possessions

--transfer students

--part-time students

--unclassified students

--students with below 2.0 grade point averages

--students who completed less than half of their attempted credits.

2. By Campus

There was a statistically significant difference in the persistence rates of campuses. (Table 1) Hawaii and Leeward had many students (78 percent of their entering students) attending more than one semester. Hawaii also had the highest proportion (25 percent) of its Fall 1975 entering group achieving graduation. The campuses with the highest and lowest rates in each category of persistence are given below:

	Highest	Lowest
1 Semester Only	35% Kauai	22% Hawaii, Leeward
2 Semesters Only	31% Windward	21% Kauai, Honolulu
3 Semesters Only	12% Kapiolani, Leeward, Windward	8% Hawaii
4 Semesters	*36% Leeward*	*21% Hawaii*
Graduates	25% Hawaii	4% Leeward, Windward

While the community colleges on the Neighbor Islands tended to have higher graduation rates than their Oahu counterparts, the relatively high persister rates on Oahu will probably result in an increased graduation rate at the end of six semesters. (See Figure 1 for campus data.)

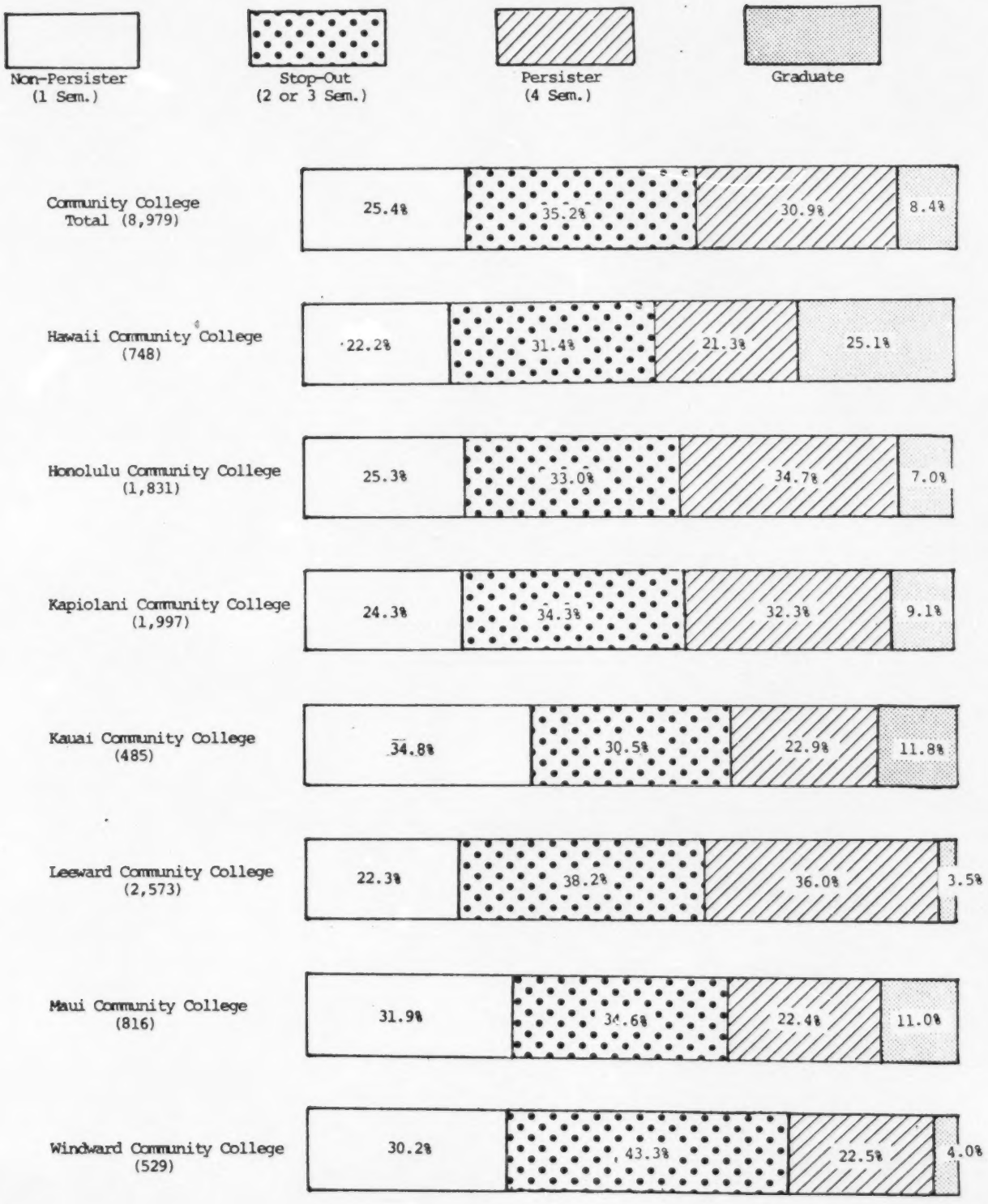
TABLE 1
PERSISTENCE RATES, BY CAMPUS
COMMUNITY COLLEGE TOTAL

CAMPUS	ATTDTYPE	1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
HONOLULU CC	0	463	387	218	635	128	1831
		25.3	21.1	11.9	34.7	7.0	20.4
KAPIOLANI CC	1	485	437	247	646	182	1997
		24.3	21.9	12.4	32.3	9.1	22.2
LEEWARD CC	2	574	664	319	926	90	2573
		22.3	25.8	12.4	36.0	3.5	28.7
KAUAI CC	3	169	100	48	111	57	485
		34.8	20.6	9.9	22.9	11.8	5.4
MAUI CC	4	260	188	95	183	90	816
		31.9	23.0	11.6	22.4	11.0	9.1
HAWAII CC	5	166	173	62	159	188	748
		22.2	23.1	8.3	21.3	25.1	8.3
WINDWARD CC	6	160	164	65	119	21	529
		30.2	31.0	12.3	22.5	4.0	5.9
COLUMN TOTAL		2277	2113	1054	2779	756	8979
		25.4	23.5	11.7	30.9	8.4	100.0

RAW CHI SQUARE = 534.87671 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

FIGURE 1

CATEGORIES OF PERSISTENCE, BY CAMPUS



An analysis of stop-outs, based on continuing/non-continuing status in Spring 1977, is presented in Table 2. While the stop-out rate was 35 percent for the community college total, the range was 31 percent at Hawaii and Kauai to 43 percent at Windward. Of the 3,167 stop-outs, only 344 were enrolled in the Spring 1977 semester. Some of the stop-outs will probably graduate from the community colleges by the end of six semesters.

TABLE 2
STOP-OUTS, BY CAMPUS

Campus	Entering Students	Stop-Outs			
		Total	H%	Spring 1977 Cont.	Spring 1977 Non-Cont.
Total	8,979	3,167	35%	344	2,823
Hawaii CC	748	235	31%	24	211
Honolulu CC	1,831	605	33%	61	544
Kapiolani CC	1,997	684	34%	88	596
Kauai CC	485	148	31%	19	129
Leeward CC	2,573	983	38%	97	886
Maui CC	816	283	35%	32	251
Windward CC	529	229	43%	23	206

Students in all seven community colleges had statistically significant differences in their persistence patterns on the following characteristics: age, full- or part-time status, educational objective, program, cumulative grade point average, credit-completion ratio and entry status.[2] (Appendix A) Table 3 was prepared to summarize these differences.

TABLE 3
HIGHEST PERSISTENCE RATES FOR STUDENTS WHO ATTENDED ALL FOUR SEMESTERS
BY CAMPUS AND SELECTED CHARACTERISTICS

Characteristic	Hawaii CC	Honolulu CC	Kapiolani CC	Kauai CC	Leeward CC	Maui CC	Windward CC
Age at entry	27% 25-29	42% Below 19	41% Below 19	32% Below 19	43% Below 19	31% Below 19	30% Over 29
Full- or Part-Time	22% Full-Time	45% Full-Time	42% Full-Time	29% Full-Time	49% Full-Time	31% Full-Time	27% Full-Time
Educational Objective	27% A.A.	39% A.S.	41% A.S.	36% A.S.	40% A.S.	30% A.S.	Not Significant
Program	32% Public Svcs.[a]	61% Hotel and Food Svcs.[a]	37% Business	50% Public Services[a]	42% Hotel and Food Svcs.[a]	50% Public Svcs.[a]	Not Significant
Grade Point Average	29% 2.0-2.9	47% 2.0-2.9	52% 2.0-2.9	37% 2.0-2.9	47% 2.0-2.9	36% 2.0-2.9	37% 2.0-2.9
Cr. Completion Ratio	44% .80-.89	62% .90-.99	72% .90-.99	52% .70-.79	68% .90-.99	44% .70-.79	71% .90-.99
Entry Status	22% New	38% New	36% New	25% New	39% New	28% New	26% New

[a]Enrolled under 50 students.

[2]Except Windward on educational objective and program, but Windward's student body is predominantly enrolled as liberal arts majors.

Persisters (students attending all four semesters) were found in high proportions among:

--the below 19 age group on 5 campuses

--full-time students on all 7 campuses (range: 22% at Hawaii to 49% at Leeward)

--students seeking the A.S. degree on 5 campuses

--students with majors in business at Kapiolani; hotel/food services at Honolulu and Leeward; public services at Hawaii, Kauai and Maui.

--students with grade point averages of 2.0-2.9 on all 7 campuses (range: 29% at Hawaii to 52% at Kapiolani)

--students with credit-completion ratios of at least .90 at 4 campuses.

Campuses also differed in their graduation rates, by student characteristics (Appendix A). Among the groups with the highest graduation rates were the following:

--full-time students on all 7 campuses (range: 7% at Leeward to 41% at Hawaii)

--students working for certificates on 6 campuses (range: 22% at Honolulu and Kapiolani to 42% at Hawaii)

--students in health services at Hawaii, Kapiolani and Kauai; hotel/food services at Leeward; technology at Honolulu; business at Maui.

--students with grade point averages of 3.0-3.4 or of 3.5 and above

--students with credit-completion ratios of .90-.99 at 6 community colleges (range: 13% at Leeward to 63% at Hawaii) and of 1.00 at Kapiolani.

C. Findings: Campus, by Program

This section summarizes the results of our analysis of persistence for each program which enrolled over 50 students from the Fall 1975 entering group. This resulted in the omission of the following programs from our analysis:

Hawaii Community College	health services (40), hotel/food services (20), public services (50)
Honolulu Community College	hotel/food services (23)

Kapiolani Community College	public services (21)
Kauai Community College	health services (16), public services (22)
Leeward Community College	hotel/food services (41)
Maui Community College	health services (27), public services (16)
Windward Community College	business (10)

However, data for all programs, including those above, are available in our computer tables which will be sent to the Dean of Students on each campus.

We have also set 20 students as the minimum for including details on the various categories of persistence (one semester only, four semesters, graduates). For example, if a program (having at least 50 students from the Fall 1975 group) had only 15 graduates, no details, by characteristics, will be provided in this report. Such data are included in the computer tables which will be available at each campus.

We have set these minima in order to enable meaningful (and manageable) analysis. When numbers are very low, percentage distributions, by characteristics, can be misleading.

Detailed tables for each campus, by program, for students who were non-persisters (attended one semester only), *persisters (attended all four semesters)* and graduates are included in Appendix C.

1. Hawaii Community College (748 entering students)

Four programs had large enrollments--liberal arts, business, technology and unclassified students. Data in Table 4 indicate that:

--There was a statistically significant difference in persistence rates, by program.

--25 percent of the entering group were graduates; persisters, 21 percent; non-persisters, 22 percent.

--The health services program had the highest proportion of graduates among the entering group (63 percent).

--The programs with the highest proportions of persisters were public services (32 percent) and liberal arts (27 percent).

--Of the four programs having large enrollments, business and technology had high rates for persisters and graduates (business, 25 percent, persisters and 31 percent, graduates; technology, 16 percent, persisters and 52 percent, graduates).

TABLE 4
PERSISTENCE RATES, BY PROGRAM
HAWAII COMMUNITY COLLEGE

ORGSTR	ATTDTYPE: 1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
	1	2	3	4	9	
60 LIBERAL ARTS	40 21.1	68 35.8	24 12.6	52 27.4	6 3.2	190 25.4
62 BUSINESS	23 11.6	50 25.3	14 7.1	49 24.7	62 31.3	198 26.5
64 HEALTH SERVICES	8 20.0	1 2.5	3 7.5	3 7.5	25 62.5	40 5.3
66 HOTEL & FOOD SVS	8 40.0	3 15.0	1 5.0	4 20.0	4 20.0	20 2.7
72 PUBLIC SERVICES	12 24.0	14 28.0	4 8.0	16 32.0	4 8.0	50 6.7
74 TECHNOLOGY	25 15.0	18 10.8	11 6.6	26 15.6	87 52.1	167 22.3
78 OTHER	50 60.2	19 22.9	5 6.0	9 10.8	0 0.0	83 11.1
COLUMN TOTAL	166 22.2	173 23.1	62 8.3	159 21.3	188 25.1	748 100.0

RAW CHI SQUARE = 264.75317 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

A summary of stop-outs, by program and continuing/non-continuing status in Spring 1977, is found in Table 5. The stop-out rate for Hawaii Community College was 31 percent, but the range was 10 percent in health services to 48 percent in liberal arts. Of the 235 stop-outs, only 24 were enrolled in Spring 1977.

TABLE 5
STOP-OUTS, BY PROGRAM
HAWAII COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1977 Cont.	Spring 1977 Non-Cont.
Total	748	235	31%	24	211
Liberal Arts	190	92	48%	16	76
Business	198	64	32%	3	61
Health Svcs.	40	4	10%	1	3
Hotel/Food Svcs.	20	4	20%	0	4
Public Svcs.	50	18	36%	1	17
Technology	167	29	17%	1	28
Unclassified	83	24	29%	2	22

Data in Appendix C-1 indicate that among the four programs with large enrollments, persistence rates differed significantly by:

--credit-completion ratio for 4 programs

--age and grade point average for 3 programs

--high school background and full- or part-time status for 2 programs

--sex, marital status and entry status for 1 program

--educational objective for no program.

a. Liberal Arts (190 entering students)

(1) Graduates: 6 (3 percent)

(2) Persisters: 52 (27 percent)

High proportions of the following groups were persisters:

--males

--students 25-29 years old

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .90-.99 (75 percent)

(3) Non-persisters: 40 (21 percent)

Non-persisters were found in high proportions in the following groups:

--students 19-21 years old

--students with grade point averages below 2.0 (34 percent)

--students with below .50 credit-completion ratios.

b. Business (198 entering students)

(1) Graduates: 62 (31 percent)

High proportions of the following groups were graduates:

--students below 19 years of age

--full-time students

--students with grade point averages of 3.0-3.4

--students with credit-completions ratios of 1.00 (63 percent) or .90-.99 (61 percent),

(2) Persisters: 49 (25 percent)

High proportions of the following groups were persisters:

--high school graduates from foreign countries and from Hawaii's private schools

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .80-.89 (42 percent).

(3) Non-persisters: 23 (12 percent)

Non-persisters were found in high proportions in the following groups:

--students 22-24 years old

--public high school graduates, Oahu (50 percent)

--transfer students

--part-time students

--students with grade point averages below 2.0

--students with credit-completion ratios below .50.

c. Technology (167 entering students)

(1) Graduates: 87 (52 percent)

High proportions of the following groups were graduates:

--students below 19 years of age

--public high school graduates, Neighbor Islands

--full-time students

--students with grade point averages of 3.0-3.4 (77 percent) and of 3.5 and above (76 percent)

--students with credit-completion ratios of .90-.99 (82 percent) or 1.00 (80 percent).

(2) Persisters: 26 (16 percent)

High proportions of the following groups were persisters:

--students 25-29 years old

--students with grade point averages below 2.0

--students with credit-completion ratios of .70-.79 (60 percent)

(3) Non-persisters: 25 (15 percent)

Non-persisters were found in high proportions in the following groups:

--students 25-29 years old

--GED students

--part-time students

--students with grade point average below 2.0

--students with credit-completion ratios below .50 (61 percent).

d. Unclassified Students (83 entering students)

(1) Graduates: 0

(2) Persisters: 9 (11 percent)

(3) Non-persisters: 50 (60 percent)

High proportions of the following group were non-persisters:

--students with credit-completion ratios of 1.00 (73 percent) or below .50 (69 percent).

2. Honolulu Community College (1,831 entering students)

Large numbers of entering students were concentrated in technology (748) and liberal arts (535). The data in Table 6 show that:

--There was a statistically significant difference in persistence rates, by program.

--7 percent of entering students were graduates; 35 percent, persisters; 25 percent, non-persisters.

--Graduates were found in high proportions among majors in technology.

--The program with high proportions of persisters was hotel/food services.

--A large majority of the unclassified group (56 percent) were non-persisters.

TABLE 6
PERSISTENCE RATES, BY PROGRAM
HONOLULU COMMUNITY COLLEGE

ORGSTR	ATTDTYPE: 1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
NO DATA	1	0	0	0	0	1
	100.0	0.0	0.0	0.0	0.0	0.1
LIBERAL ARTS	117	131	71	203	13	535
	21.9	24.5	13.3	37.9	2.4	29.2
HOTEL & FOOD SVS	2	4	2	14	1	23
	8.7	17.4	8.7	60.9	4.3	1.3
PUBLIC SERVICES	90	87	41	113	26	357
	25.2	24.4	11.5	31.7	7.3	19.5
TECHNOLOGY	160	126	88	286	88	748
	21.4	16.8	11.8	38.2	11.8	40.9
OTHER	93	39	16	19	0	167
	55.7	23.4	9.6	11.4	0.0	9.1
COLUMN TOTAL	463	387	218	635	128	1831
	25.3	21.1	11.9	34.7	7.0	100.0

RAW CHI SQUARE = 175.25076 WITH 20 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

A summary of stop-outs, by program and continuing/non-continuing status in Spring 1977, is given in Table 7. The stop-out rate was 33 percent, ranging from 26 percent in hotel/food services to 38 percent in liberal arts. Of the 605 stop-outs, 61 attended the Spring 1977 semester.

TABLE 7
STOP-OUTS, BY PROGRAM
HONOLULU COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1977 Cont.	Spring 1977 Non-Cont.
Total[a]	1,831	605	33%	61	544
Liberal Arts	535	202	38%	22	180
Hotel/Food Svcs.	23	6	26%	1	5
Public Svcs.	357	128	36%	8	120
Technology	748	214	29%	20	194
Unclassified	167	55	33%	10	45

[a]Includes 1 student with "no data" on program who was a non-persister.

Data in Appendix C-2 indicate that among the four programs with large enrollments (liberal arts, public services, technology and unclassified students), persistence rates differed significantly by:

--grade point average and credit-completion ratio for 4 programs

--entry status and full- and part-time status for 3 programs

--sex, marital status, and high school background for 2 programs

--age and educational objective for 1 program.

a. Liberal Arts (535 entering students)

(1) Graduates: 13 (2 percent)

(2) Persisters: 203 (38 percent)

High proportions of the following groups were persisters:

--full-time students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .90-.99 (68 percent).

(3) Non-persisters: 117 (22 percent)

High proportions of the following groups were non-persisters:

--part-time students

--students with grade point averages below 2.0 (39 percent)

--students with credit-completion ratios below .50.

b. Public Services (357 entering students)

(1) Graduates: 26 (7 percent)

High proportions of the following groups were graduates:

--students 22-24 years old

--private high school graduates, Hawaii; public high school graduates, Neighbor Islands; high school graduates, U. S. Mainland and Possessions

--transfer students

--students with grade point averages of 3.5 and above

--students with credit-completion ratios of .90-.99 (39 percent).

(2) Persisters: 113 (32 percent)

High proportions of the following groups were persisters:

--male students

--students below 19 years of age

--high school graduates from U.S. Mainland and Possessions and from public high schools, Oahu

--new students

--full-time students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .80-.89 (66 percent).

(3) Non-persisters: 90 (25 percent)

High proportions of the following groups were non-persisters:

--female students

--married students

--GED students and public high school graduates, Neighbor Islands

--part-time students

--students with grade point averages below 2.0 (45 percent)

--students with credit-completion ratios below .50.

c. Technology (748 entering students)

(1) Graduates: 88 (12 percent)

High proportions of the following groups were graduates:

--students over 29 years old

--full-time students

--students seeking certificates

--students with grade point averages of 3.5 and above (32 percent)

--students with credit-completion ratios of 1.00 or .90-.99.

(2) Persisters: 286 (38 percent)

High proportions of the following groups were persisters:

--full-time students

--students seeking A.S. degrees

--students with grade point averages of 3.0-3.4

--students with credit-completion ratios of .90-.99 (62 percent).

(3) Non-persisters: 160 (21 percent)

High proportions of the following groups were non-persisters:

--part-time students

--students with grade point averages below 2.0

--students with credit-completion ratios below .50 (51 percent).

d. Unclassified Students (167 entering students)

(1) Graduates: 0

(2) Persisters: 19 (11 percent)

(3) Non-persisters: 93 (56 percent)

High proportions of the following groups were non-persisters:

--single students

--public high school graduates, Neighbor Islands

--transfer students

--students with below 2.0 grade point averages (91 percent)

--students with below .50 credit-completion ratios.

3. Kapiolani Community College (1,997 entering students)

The majority of entering students enrolled in liberal arts (646) or business (833). The data in Table 8 indicate that:

--There was a statistically significant difference in persistence rates, by program.

--9 percent of entering students were graduates; 32 percent, persisters; 24 percent, non-persisters.

--Graduates were found in especially high proportions among majors in health services (39 percent).

--Persisters were found in high proportions in business and hotel/food services.

--About 2/3 of unclassified students were non-persisters.

TABLE 8
PERSISTENCE RATES, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE

ORGSTR	ATTOTYPE: 1 SEMEST ER ONLY (1)	2 SEMEST ERS ONLY (2)	3 SEMEST ERS ONLY (3)	4 SEMEST ERS ONLY (4)	GRADUATE (9)	ROW TOTAL
59 NO DATA	0	2	0	0	0	2
	0.0	100.0	0.0	0.0	0.0	0.1
60 LIBERAL ARTS	131	169	113	220	13	646
	20.3	26.2	17.5	34.1	2.0	32.3
62 BUSINESS	195	171	92	306	69	833
	23.4	20.5	11.0	36.7	8.3	41.7
64 HEALTH SERVICES	27	35	7	56	79	204
	13.2	17.2	3.4	27.5	38.7	10.2
66 HOTEL & FOOD SVS	34	31	14	54	17	150
	22.7	20.7	9.3	36.0	11.3	7.5
72 PUBLIC SERVICES	3	3	7	5	3	21
	14.3	14.3	33.3	23.8	14.3	1.1
78 OTHER	95	26	14	5	1	141
	67.4	18.4	9.9	3.5	0.7	7.1
COLUMN TOTAL	485	437	247	646	182	1997
	24.3	21.9	12.4	32.3	9.1	100.0

RAW CHI SQUARE = 466.98730 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

Data on stop-outs, by program and continuing/non-continuing status in Spring 1977, are found in Table 9. Kapiolani's stop-out rate was 34 percent, with a range from 21 percent in health services to 48 percent in public services. Of the 684 stop-outs, only 88 were enrolled in Spring 1977.

TABLE 9
STOP-OUTS, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1977 Cont.	Spring 1977 Non-Cont.
Total[a]	1,997	684	34%	88	596
Liberal Arts	646	282	44%	32	250
Business	833	263	32%	41	222
Health Svcs.	204	42	21%	2	40
Hotel/Food Svcs.	150	45	30%	9	36
Public Svcs.	21	10	48%	1	9
Unclassified	141	40	28%	3	37

[a]Includes 2 students with "no data" on program. They attended 2 semesters, only, and were not in attendance during the Spring semester.

Data in Appendix C-3 indicate that among the five programs with large enrollments (liberal arts, business, health services, hotel/food services and unclassified students), persistence rates differed significantly by:

--grade point average and credit-completion ratio for 5 programs

--full- or part-time status for 4 programs

--sex, age and entry status for 3 programs

--marital status and educational objective for 2 programs

--high school background for 1 program.

a. Liberal Arts (646 entering students)

(1) Graduates: 13 (2 percent)

(2) Persisters: 220 (34 percent)

High proportions of the following groups were persisters:

--full-time students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .90-.99 (79 percent).

(3) Non-persisters: 131 (20 percent)

High proportions of the following groups were non-persisters:

--students 22-24 years old

--part-time students

--students with grade point averages below 2.0

--students with credit-completion ratios below .50 (47 percent).

b. Business (833 entering students)

(1) Graduates: 69 (8 percent)

High proportions of the following groups were graduates:

--female students

--single students

--public high school graduates, Neighbor Island

--full-time students

--students seeking certificates

--students with grade point averages of 3.5 and above

--students with credit-completion ratios of 1.00 (21 percent).

(2) Persisters: 306 (37 percent)

High proportions of the following groups were persisters:

--students below 19 years of age

--public high school graduates, Oahu

--new students

--full-time students

--students seeking A.S. degrees

--students with grade point averages of 2.0-2.9 (58 percent) or 3.0-3.4

--students with credit-completion ratios of .90-.99 (78 percent).

(3) Non-persisters: 195 (23 percent)

High proportions of the following groups were non-persisters:

--students 22-24 years of age

--foreign high school graduates

--transfer students

--part-time students

--students seeking certificates

--students with grade point averages below 2.0

--students with credit-completion ratios below .50 (50 percent).

c. Health Services (204 entering students)

(1) Graduates: 79 (39 percent)

High proportions of the following groups were graduates:

--female students

--students 19-21 years old

--high school graduates from Oahu's public and Hawaii's private schools

--transfer students

--full-time students

--students seeking certificates (72 percent)

--students with grade point averages of 3.0-3.4

--students with credit-completion ratios of 1.00 (61 percent).

(2) Persisters: 56 (28 percent)

High proportions of the following groups were persisters:

--students below 19 years of age

--public high school graduates, Neighbor Islands

--students seeking A.S. degrees

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .70-.79 (56 percent).

(3) Non-persisters: 27 (13 percent)

High proportions of the following groups were non-persisters:

--students over 29 years old

--part-time students

--students with grade point averages below 2.0 (77 percent)

--students with credit-completion ratios below .50 (74 percent).

d. Hotel/Food Services (150 entering students)

(1) Graduates: 17 (11 percent)

(2) Persisters: 54 (36 percent)

High proportions of the following groups were persisters:

--new students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .80-.89 (71 percent).

(3) Non-persisters: 34 (23 percent)

High proportions of the following groups were non-persisters:

--students with grade point averages below 2.0

--students with credit-completions ratios below .50 (65 percent).

e. Unclassified Students (141 entering students)

(1) Graduates: 1 (less than 1 percent)

(2) Persisters: 5 (4 percent)

(3) Non-persisters: 95 (67 percent)

High proportions of the following groups were non-persisters:

--female students

--part-time students

--students with below 2.0 grade point averages (78 percent)

--students with 1.00 credit-completion ratios (81 percent).

4. Kauai Community College (485 entering students)

A majority of the entering students were either liberal arts majors (162) or unclassified students (132). The data in Table 10 indicate that:

--There was a statistically significant difference in persistence rates, by program.

--12 percent of the entering students were graduates; 23 percent, persisters; 35 percent, non-persisters.

--Both health services and technology had high proportions of graduates.

--Persisters were found in high proportions in public services.

--About 2/3 of unclassified students were non-persisters.

TABLE 10
PERSISTENCE RATES, BY PROGRAM
KAUAI COMMUNITY COLLEGE

ORGSTR	ATTOTYPE 1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
	1	2	3	4	9	
60 LIBERAL ARTS	53 32.7	37 22.8	20 12.3	36 22.2	16 9.9	162 33.4
62 BUSINESS	11 13.8	26 32.5	6 7.5	25 31.3	12 15.0	80 16.5
64 HEALTH SERVICES	3 18.8	2 12.5	0 0.0	4 25.0	7 43.8	16 3.3
72 PUBLIC SERVICES	1 4.5	4 18.2	3 13.6	11 50.0	3 13.6	22 4.5
74 TECHNOLOGY	11 15.1	8 11.0	12 16.4	23 31.5	19 26.0	73 15.1
78 OTHER	90 68.2	23 17.4	7 5.3	12 9.1	0 0.0	132 27.2
COLUMN TOTAL	169 34.8	100 20.6	48 9.9	111 22.9	57 11.8	485 100.0

RAW CHI SQUARE = 153.71330 WITH 20 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

Data on stop-outs, by program and continuing/non-continuing status in Spring 1977, are shown in Table 11. The stop-out rate was 31 percent, with a range from 13 percent in health services to 40 percent among business students. Of the total 148 stop-outs, 19 were enrolled in Spring 1977.

TABLE 11
STOP-OUTS, BY PROGRAM
KAUAI COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1977 Cont.	Spring 1977 Non-Cont.
Total	485	148	31%	19	129
Liberal Arts	162	57	35%	10	47
Business	80	32	40%	2	30
Health Svcs.	16	2	13%	0	2
Public Svcs.	22	7	32%	0	7
Technology	73	20	27%	2	18
Unclassified	132	30	23%	5	25

The data in Appendix C-4 indicate that among the four programs with large enrollments (liberal arts, business, technology and unclassified students), persistence rates differed significantly by:

--credit-completion ratio for 4 programs

--grade point average for 3 programs

--entry status for 2 programs

--marital status, high school background and full- or part-time status for 1 program

--sex, age and educational objective for no program.

a. Liberal Arts (162 entering students)

(1) Graduates: 16 (10 percent)

(2) Persisters: 36 (22 percent)

High proportions of the following groups were persisters:

--married students

--public high school graduates, Neighbor Islands

--new students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .90-.99 (57 percent).

(3) Non-persisters: 53 (33 percent)

High proportions of the following groups were non-persisters:

--single students

--graduates of foreign high schools

--part-time students

--students with below 2.0 grade point averages (79 percent)

--students with below .50 credit-completion ratios (62 percent).

b. Business (80 entering students)

(1) Graduates: 12 (15 percent)

(2) Persisters: 25 (31 percent)

High proportions of the following groups were persisters:

--students with grade point averages of 2.0-2.9 (41 percent)

--students with credit-completion ratios of .90-.99 (47 percent) and .70-.89.

(3) Non-persisters: 11 (14 percent)

c. Technology (73 entering students)

(1) Graduates: 19 (26 percent)

(2) Persisters: 23 (32 percent)

High proportions of the following groups were persisters:

--students with grade point averages of 2.0-2.9 (37 percent) or 3.5 and above

--students with credit-completion ratios of .90-.99 (50 percent) or of .70-.79.

(3) Non-persisters: 11 (15 percent)

d. Unclassified Students (132 entering students)

(1) Graduates: 0

(2) Persisters: 12 (9 percent)

(3) Non-persisters: 90 (68 percent)

High proportions of the following groups were non-persisters:

--new students

--students with below .50 credit-completion ratios (85 percent).

5. Leeward Community College (2,573 entering students)

Slightly over 2/3 of the entering students enrolled in the liberal arts program (1,800). The data in Table 12 show that:

--There was a statistically significant difference in persistence rates, by program.

--4 percent of entering students were graduates; 36 percent were persisters, and 22 percent were non-persisters.

--Graduates were found in high proportions in the hotel/food services program (15 percent) and public services (9 percent).

--Persisters were found in high proportions among students in hotel/ food services (42 percent) and business (39 percent).

--One-half of the unclassified students were non-persisters.

TABLE 12
PERSISTENCE RATES, BY PROGRAM
LEEWARD COMMUNITY COLLEGE

ORGSTR	ATTOTYPE / COUNT / ROW PCT	1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
		1	2	3	4	9	
NO DATA	59	0	2	0	0	0	2
		0.0	100.0	0.0	0.0	0.0	0.1
LIBERAL ARTS	60	385	462	230	671	52	1800
		21.4	25.7	12.8	37.3	2.9	70.0
BUSINESS	62	56	100	50	144	18	368
		15.2	27.2	13.6	39.1	4.9	14.3
HOTEL & FOOD SVS	66	8	7	3	17	6	41
		19.5	17.1	7.3	41.5	14.6	1.6
PUBLIC SERVICES	72	10	16	5	17	5	53
		18.9	30.2	9.4	32.1	9.4	2.1
TECHNOLOGY	74	39	32	20	56	9	156
		25.0	20.5	12.8	35.9	5.8	6.1
OTHER	78	76	45	11	21	0	153
		49.7	29.4	7.2	13.7	0.0	5.9
COLUMN TOTAL		574	664	319	926	90	2573
		22.3	25.8	12.4	36.0	3.5	100.0

RAW CHI SQUARE = 131.55392 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

Data on stop-outs, by program and continuing/non-continuing status in Spring 1977, are presented in Table 13. Leeward's stop-out rate was 38 percent, ranging from 24 percent in hotel/food services to 41 percent in business. Of the total 983 stop-outs, 97 were enrolled in Spring 1977.

TABLE 13
STOP-OUTS, BY PROGRAM
LEEWARD COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1977 Cont.	Spring 1977 Non-Cont.
Total[a]	2,573	983	38%	97	886
Liberal Arts	1,800	692	38%	66	626
Business	368	150	41%	10	140
Hotel/Food Svcs.	41	10	24%	2	8
Public Svcs.	53	21	40%	2	19
Technology	156	52	33%	6	46
Unclassified	153	56	37%	11	45

[a]Includes 2 students with "no data" on program; both attended 2 semesters, only, and were not registered in the Spring semester.

Data in Appendix C-5 indicate that among the four programs with large enrollments (liberal arts, business, technology and unclassified students), persistence rates differed significantly by:

--grade point average and credit-completion ratio for 4 programs

--age for 3 programs

--entry status, full- or part-time status and educational objective for 2 programs

--sex, marital status and high school background for 1 program.

a. Liberal Arts (1,800 entering students)

(1) Graduates: 52 (3 percent)

High proportions of the following groups were graduates:

--high school graduates, U.S. Mainland

--transfer students

--full-time students

--students with grade point averages of 3.5 and above

--students with credit-completion ratios of .90-.99 (10 percent).

(2) Persisters: 671 (37 percent)

High proportions of the following groups were persisters:

--students below 19 years of age

--full-time students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .90-.99 (69 percent).

(3) Non-persisters: 385 (21 percent)

High proportions of the following groups were non-persisters:

--students 22-24 years of age

--GED students

--transfer students

--part-time students

--students with below 2.0 grade point averages (59 percent)

--students with below .50 credit-completion ratios.

b. Business (368 entering students)

(1) Graduates: 18 (5 percent)

(2) Persisters: 144 (39 percent)

High proportions of the following groups were persisters:

--male students

--full-time students

--students seeking A.S. degrees

--students with grade point averages of 3.0-3.4 or 2.0-2.9

--students with credit-completion ratios of .90-.99 (75 percent).

(3) Non-persisters: 56 (15 percent)

High proportions of the following groups were non-persisters:

--students with below 2.0 grade point averages (51 percent)

--students with below .50 credit-completion ratios.

c. Technology (156 entering students)

(1) Graduates: 9 (6 percent)

(2) Persisters: 56 (36 percent)

High proportions of the following groups were persisters:

--students over 29 years of age

--full-time students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .90-.99 (73 percent).

(3) Non-persisters: 39 (25 percent)

High proportions of the following groups were non-persisters:

--students 22-24 years old

--students seeking certificates

--students with below 2.0 grade point averages (57 percent)

--students with below .50 credit-completion ratios.

d. Unclassified Students (153 entering students)

(1) Graduates: 0

(2) Persisters: 21 (14 percent)

High proportions of the following groups were persisters:

--students 19-21 years old

--students with grade point averages of 2.0-3.4

--students with credit-completion ratios of .70-.79 (40 percent) or .80-.89.

(3) Non-persisters: 76 (50 percent)

High proportions of the following groups were non-persisters:

--students 22-24 years old

--students with below 2.0 grade point averages (90 percent)

--students with credit-completion ratios of below .50.

6. Maui Community College (816 entering students)

Many students enrolled in the liberal arts (353), in business (163), in technology (118) or as unclassified students (139). The data in Table 14 indicate that:

--There was a statistically significant difference in persistence rates, by program.

--11 percent of entering students were graduates; 22 percent, persisters; 32 percent, non-persisters.

--Graduates were found in high proportions in the business (22 percent) and the technology (20 percent) programs.

--Persisters were found in high proportions among students in business and in public services.

--Over three-fifths of unclassified students were non-persisters.

TABLE 14
PERSISTENCE RATES, BY PROGRAM
MAUI COMMUNITY COLLEGE

ORGSTR	ATTDTYPE: 1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
LIBERAL ARTS 60	101	104	37	85	26	353
	28.6	29.5	10.5	24.1	7.4	43.3
BUSINESS 62	34	23	21	50	35	163
	20.9	14.1	12.9	30.7	21.5	20.0
HEALTH SERVICES 64	7	6	2	8	4	27
	25.9	22.2	7.4	29.6	14.8	3.3
PUBLIC SERVICES 72	1	4	1	8	2	16
	6.3	25.0	6.3	50.0	12.5	2.0
TECHNOLOGY 74	29	26	17	23	23	118
	24.6	22.0	14.4	19.5	19.5	14.5
OTHER 78	88	25	17	9	0	139
	63.3	18.0	12.2	6.5	0.0	17.0
COLUMN TOTAL	260	188	95	183	90	816
	31.9	23.0	11.6	22.4	11.0	100.0

RAW CHI SQUARE = 143.34305 WITH 20 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

Data on stop-outs, by program and continuing/non-continuing status in Spring 1977, are found in Table 15. Maui's total stop-out rate was 35 percent, ranging from 27 percent in business to 40 percent in liberal arts. Of the 283 stop-outs, 32 were enrolled in Spring 1977.

TABLE 15
STOP-OUTS, BY PROGRAM
MAUI COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1977 Cont.	Spring 1977 Non-Cont.
Total	816	283	35%	32	251
Liberal Arts	353	141	40%	13	128
Business	163	44	27%	5	39
Health Svcs.	27	8	30%	1	7
Public Svcs.	16	5	31%	0	5
Technology	118	43	36%	2	41
Unclassified	139	42	30%	11	31

Data in Appendix C-6 show that among the four programs with large enrollments (liberal arts, business, technology and unclassified students), persistence rates differed significantly by:

--grade point average and credit-completion ratio for 4 programs

--full- or part-time status for 3 programs

--age, high school background, entry status and educational objective for 1 program

--sex and marital status for no program.

a. Liberal Arts (353 entering students)

(1) Graduates: 26 (7 percent)

High proportions of the following groups were graduates:

--GED students

--full-time students

--students with grade point averages of 3.0 and above

--students with credit-completion ratios of .90-.99 (17 percent).

(2) Persisters: 85 (24 percent)

High proportions of the following groups were persisters:

--students below 19 or over 29 years

--public high school graduates, Neighbor Islands

--new students

--full-time students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .70-.79 (50 percent).

(3) Non-persisters: 101 (29 percent)

High proportions of the following groups were non-persisters:

--students 22-24 years of age

--high school graduates, foreign countries and U.S. Mainland

--transfer students

--part-time students

--students with below 2.0 grade point averages (77 percent)

--students with below .50 credit-completion ratios.

b. Business (163 entering students)

(1) Graduates: 35 (22 percent)

High proportions of the following groups were graduates:

--full-time students

--students seeking certificates

--students with grade point averages of 3.5 and above

--students with credit-completion ratios of .90-.99 (63 percent).

(2) Persisters: 50 (31 percent)

High proportions of the following groups were persisters:

--full-time students

--students seeking A.S. degrees

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .80-.89 (61 percent) or .70-.79.

(3) Non-persisters: 34 (21 percent)

High proportions of the following groups were non-persisters:

--part-time students

--students with below 2.0 grade point averages (60 percent)

--students with below .50 credit-completion ratios.

c. Technology (118 entering students)

(1) Graduates: 23 (20 percent)

High proportions of the following groups were graduates:

--full-time students

--students with grade point averages of 3.5 and above or 3.0-3.4

--students with credit-completion ratios of .80-.89 (39 percent).

(2) Persisters: 23 (20 percent)

High proportions of the following groups were persisters:

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .60-.69 (46 percent).

(3) Non-persisters: 29 (25 percent)

High proportions of the following groups were non-persisters:

--part-time students

--students with below 2.0 grade point averages (76 percent)

--students with below .50 credit-completion ratios.

d. Unclassified Students (139 entering students)

(1) Graduates: 0

(2) Persisters: 9 (7 percent)

(3) Non-persisters: 88 (63 percent)

High proportions of the following groups were non-persisters:

--students with 3.0-3.4 and below 2.0 grade point averages (86 percent)

--students with below .50 credit-completion ratios.

7. Windward Community College (529 entering students)

Most students were enrolled in liberal arts (460). The data in Table 16 show that:

--There was no statistically significant difference in persistence rates, by program.

--4 percent of entering students graduated; 23 percent were persisters; 30 percent were non-persisters.

--About a third of unclassified students were non-persisters.

TABLE 16
PERSISTENCE RATES, BY PROGRAM
WINDWARD COMMUNITY COLLEGE

ORGSTR	ATTDTYPE COUNT / ROW PCT	1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
		1	2	3	4	9	
LIBERAL ARTS	60	140	136	56	107	21	460
		30.4	29.6	12.2	23.3	4.6	87.0
BUSINESS	62	1	4	2	3	0	10
		10.0	40.0	20.0	30.0	0.0	1.9
OTHER	78	19	24	7	9	0	59
		32.2	40.7	11.9	15.3	0.0	11.2
COLUMN TOTAL		160	164	65	119	21	529
		30.2	31.0	12.3	22.5	4.0	100.0

RAW CHI SQUARE = 9.17756 WITH 8 DEGREES OF FREEDOM. SIGNIFICANCE = 0.3276

Data on stop-outs, by program and continuing/non-continuing status in Spring 1977, are shown in Table 17. Windward's stop-out rate was 43 percent, and of the total 229 stop-outs, 23 were enrolled in Spring 1977.

TABLE 17
STOP-OUTS, BY PROGRAM
WINDWARD COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1977 Cont.	Spring 1977 Non-Cont.
Total	529	229	43%	23	206
Liberal Arts	460	192	42%	18	174
Business	10	6	60%	0	6
Unclassified	59	31	53%	5	26

Appendix C-7 includes data only for the liberal arts.

a. Liberal Arts (460 entering students)

(1) Graduates: 21 (5 percent)

High proportions of the following groups were graduates:

--transfer students

--full-time students

--students with grade point averages of 3.0-3.4

--students with credit-completion ratios of .90-.99 (25 percent).

(2) Persisters: 107 (23 percent)

High proportions of the following groups were persisters:

--students over 29 years of age

--new students

--full-time students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .90-.99 (65 percent).

(3) Non-persisters: 140 (30 percent)

High proportions of the following groups were non-persisters:

--students 22-24 years of age

--transfer students

--part-time students

--students with below 2.0 grade point averages (71 percent)

--students with below .50 credit-completion ratios.

D. Summary and Conclusion

This section is composed of two parts: (1) comparison of persistence patterns for Fall 1975 and Fall 1974 entering groups after four semesters of enrollment and (2) discussion of variations in persistence patterns.

1. Comparison of Persistence Patterns: Fall 1975 and Fall 1974 Groups

a. Community College Total

The data below show that the Fall 1975 group had slightly higher persister and stop-out rates than the Fall 1974 group:

	Fall 1975	Fall 1974
No. of entering students	8,979	9,171
Graduation Rate	8.4%	8.2%
Persister Rate	30.9%	29.3%
Stop-Out Rate	35.2%	32.9%
Non-Persister Rate	25.4%	29.6%

We found statistically significant differences in the persistence patterns of Fall 1975 entering students on all 10 characteristics: sex, age, marital status, high school background, entry status, full-/part-time status, educational objective, program, grade point average and credit-completion ratio. This was also true for the Fall 1974 group. For both groups:

--A high proportion of health services majors were graduates; a high proportion of hotel/food services majors were persisters; a high proportion of unclassified students were non-persisters.

--A high proportion of full-time students were either persisters or graduates; a high proportion of part-time students were non-persisters.

--A high proportion of students who "succeeded" in the community colleges, as shown by grade point averages and credit-completion ratios, were persisters or graduates; a high proportion of "unsuccessful" students were non-persisters.

b. Campus, by Program

The seven community colleges differed significantly in their persistence patterns. This was true for both Fall 1975 and Fall 1974 entering groups. For example, a high proportion of students at Hawaii Community College were graduates; a high proportion of Leeward's were persisters. Furthermore, students in all seven community colleges for both Fall 1975 and Fall 1974 entering groups had statistically significant differences in persistence patterns on six characteristics: age, full-/part-time status, educational objective, program, grade point average and credit-completion ratio.[3]

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[3]Except for Windward on educational objective and program, but its student body is predominantly in the liberal arts.

An analysis of persistence patterns in program clusters enrolling a minimum of 50 entering students, by campus, shows great variation among programs on the same campus. An indication of this follows for the Fall 1975 group:

--At Hawaii Community College, the graduation rate for the campus was 25 percent, and the rates for the various programs were:

-- 3% liberal arts
--31% business
-- 8% public services
--52% technology

--At Leeward Community College, the persister rate for the campus was 36 percent, and the rates for the various programs were:

--37% liberal arts
--39% business
--32% public services
--36% technology
--14% unclassified students

--At Kauai Community College, the non-persister rate for the campus was 35 percent, and the rates for the various programs were:

--33% liberal arts
--14% business
--15% technology
--68% unclassified students

In addition to these variations among programs on the same campus, there was great diversity in persistence patterns among students in similar programs on different campuses. Data on persistence patterns of students in the liberal arts are given below for the Fall 1975 group:

		Liberal Arts Only			
	Total Entering Group	Graduation Rate	Persister Rate	Stop-Out Rate	Non-Persister Rate
Community College Total	4,146	4%	33%	40%	23%
Hawaii Community College	190	3%	27%	49%	21%
Honolulu Community College	535	2%	38%	38%	22%
Kapiolani Community College	646	2%	34%	44%	20%
Kauai Community College	162	10%	22%	35%	33%
Leeward Community College	1,800	3%	37%	39%	21%
Maui Community College	353	7%	24%	40%	29%
Windward Community College	460	5%	23%	42%	30%

It is apparent that liberal arts majors, in comparison to those in other colleges,

--had higher graduation rates at Kauai and Maui (though the rates were lower than for the Fall 1974 group)

--had higher persister rates at Honolulu and Leeward

--had higher stop-out rates at Hawaii and Kapiolani

--had higher non-persister rates at Kauai, Maui and Windward.

Similar comparisons can be made for students majoring in vocational education, by program clusters. An example is given below for Fall 1975 entering students who enrolled in business:

	Business Only				
	Total Entering Group	Graduation Rate	Persister Rate	Stop-Out Rate	Non-Persister Rate
Community College Total	1,652	12%	35%	34%	19%
Hawaii Community College	198	31%	25%	32%	12%
Kapiolani Community College	833	8%	37%	32%	23%
Kauai Community College	80	1[illegible]	31%	40%	14%
Leeward Community College	368	5%	39%	41%	15%
Maui Community College	163	22%	31%	27%	21%
Windward Community College	10				

To some extent, the variations in persistence patterns in business may be due to distribution of students enrolled in certificate and associate degree programs on each campus.

2. Analysis of Hawaii's Variations

Our analysis of the Fall 1975 results leads us to the same conclusions we advanced for the Fall 1974 group. These are repeated below with illustrative data for the Fall 1975 group:

a. Differences in the persistence patterns of liberal arts majors and vocational education majors are expected because: (1) liberal arts majors oftentimes transfer to four-year institutions of higher education prior to graduation (A.A. degree) and (2) vocational education majors seek either certificates or A.S. degrees which are offered, in the main, by Hawaii's community colleges.

b. Noteworthy is the higher graduation rate for community colleges on the Neighbor Islands (especially Hawaii) compared to that of Oahu's campuses. However, the higher persister rates for Oahu's colleges will eventually lead to an increase in their graduation rates. Whether Oahu's campuses will approach Hawaii's graduation rate (22 percent for Fall 1974 and 25 percent for Fall 1975 groups) is rather doubtful.

c. The distribution of students, by the ten characteristics, shows variation among our campuses and undoubtedly affects persistence patterns but not always predictably. For example, colleges with high proportions of part-time students and of unclassified students tended to have high non-persister rates for the Fall 1975 group, as illustrated below, particularly for Kauai and Windward:

Campus	Percentages for: Part-Time Students	Unclassified Students	Below 2.0 GPA	Below .50 CCR	Non-Persister Rate
Total	57%	10%	26%	31%	25%
Hawaii CC	43%	11%	27%	25%	22%
Honolulu CC	52%	9%	29%	32%	25%
Kapiolani CC	52%	7%	34%	29%	24%
Kauai CC	61%	27%	22%	26%	35%
Leeward CC	65%	6%	19%	32%	22%
Maui CC	56%	17%	21%	31%	32%
Windward CC	72%	11%	24%	42%	30%

Such characteristics as grade point average and credit-completion ratio may also be a reflection of campus practices. We found, for example, that the proportions of Fall 1975 entering students receiving grade point averages of 3.5 and above was 18 percent for all community colleges, but the range was 29 percent at Windward to 14 percent for Kapiolani. (This was almost identical for the Fall 1974 group: 28 and 14 percent, respectively.) While campuses may differ in the "academic aptitudes" of students, it is likely that grading practices also vary.

d. It is obvious that an "in and out" pattern of enrollment is not uncommon among community college students. While about 1/3 of the Fall 1974 and Fall 1975 entering students were stop-outs, we do not know the proportion of this group that had an "in and out" pattern.

Our surveys of non-continuing students each semester for the Fall 1975 entering group show that some of these stop-outs intend to return to the community colleges--in the succeeding semester or in the near future.

3. Concluding Note

It is important to reiterate that attrition per se is not "bad." Students enroll in the community colleges for many reasons: some seek degrees, others accomplish their goals without graduation. It is apparent that a small minority of community college students graduate by the end of four semesters of continuous enrollment in the same community college.

It is also important to note that stopping-out is not uncommon among community college students. The next report on the Fall 1975 group after six semesters will present graduation rates and include data on students who, after six continuous semesters of enrollment, did not graduate. Our six-semester analysis of persistence will include similar categories of persistence found in California's comprehensive study so that comparisons will be possible.

APPENDIX A

PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED
BY CAMPUS AND CHARACTERISTICS

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus.
"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1975.

Characteristics[a]	(8,979) Comm Coll Total			(748) Hawaii CC			(1,831) Honolulu CC			(1,997) Kapiolani CC			(485) Kauai CC			(2,573) Leeward CC			(816) Maui CC			(529) Windward CC		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(2277)	(2779)	(756)	(166)	(159)	(188)	(463)	(635)	(128)	(485)	(648)	(182)	(169)	(111)	(57)	(574)	(928)	(90)	(260)	(183)	(90)	(160)	(119)	(21)
Percent	25%	31%	8%	22%	21%	25%	25%	35%	7%	24%	32%	9%	35%	23%	12%	22%	36%	4%	32%	22%	11%	30%	23%	4%
Sex		***						***			***			*			*							
Female	28%	23%	10%	24%	21%	25%	31%	28%	2%	25%	34%	13%	42%	21%	12%	24%	34%	4%	34%	20%	12%	34%	20%	4%
Male	23%	33%	8%	21%	21%	25%	23%	38%	9%	24%	30%	3%	27%	25%	11%	21%	37%	3%	29%	25%	10%	27%	25%	4%
Age		***			***			***			***			***			***			***			*	
Below 19	19%	38%	10%	17%	24%	33%	19%	42%	8%	19%	41%	8%	18%	32%	20%	17%	43%	3%	20%	31%	17%	26%	27%	3%
19-21	32%	25%	10%	21%	18%	31%	28%	36%	7%	33%	25%	12%	45%	18%	10%	32%	26%	5%	34%	15%	14%	36%	13%	6%
22-24	39%	20%	9%	41%	15%	22%	29%	30%	8%	38%	17%	14%	49%	14%	5%	42%	23%	5%	50%	11%	8%	46%	13%	0%
25-29	31%	28%	7%	27%	27%	12%	31%	32%	5%	25%	24%	12%	40%	26%	10%	29%	33%	4%	38%	21%	5%	37%	20%	3%
Over 29	24%	27%	5%	24%	17%	0%	30%	24%	7%	23%	25%	6%	42%	15%	6%	14%	37%	4%	39%	19%	5%	20%	30%	5%
Marital Status		***			***			***			***						*							
Single	25%	32%	9%	22%	21%	30%	23%	36%	8%	24%	34%	9%	33%	23%	14%	23%	37%	3%	29%	23%	13%	31%	21%	4%
Married	27%	28%	6%	26%	22%	10%	32%	27%	5%	24%	25%	9%	39%	23%	7%	21%	34%	4%	38%	21%	8%	27%	27%	4%
High Sch Backgr		***			**			***			***			***			***			***				
Public, Oahu	23%	36%	6%	33%	17%	13%	23%	39%	7%	21%	36%	9%	58%	10%	3%	21%	38%	3%	41%	10%	9%	29%	24%	4%
Public, Neighbor Is	22%	27%	18%	19%	23%	30%	29%	30%	8%	28%	27%	12%	22%	29%	16%	19%	33%	4%	21%	31%	16%	26%	16%	0%
Private, Hawaii	25%	30%	8%	25%	20%	18%	22%	33%	11%	26%	29%	10%	55%	9%	9%	24%	38%	2%	24%	24%	9%	29%	26%	4%
U.S. Main & Poss.	35%	21%	8%	31%	16%	21%	31%	27%	9%	32%	21%	9%	46%	17%	5%	27%	28%	9%	48%	12%	4%	36%	16%	8%
Foreign Countries	32%	28%	7%	24%	36%	7%	24%	23%	3%	43%	27%	11%	61%	13%	16%	19%	41%	4%	46%	16%	9%	33%	20%	0%
Other	31%	24%	5%	34%	10%	12%	35%	25%	2%	26%	22%	6%	45%	17%	7%	27%	28%	4%	30%	19%	9%	24%	32%	0%
Entry		***			*			***			***			*			***			***			***	
New	23%	34%	8%	21%	22%	26%	23%	38%	7%	23%	36%	7%	31%	25%	12%	20%	39%	2%	27%	28%	12%	27%	26%	3%
Transfer	32%	22%	10%	28%	17%	21%	31%	27%	8%	29%	22%	14%	43%	18%	11%	29%	26%	9%	43%	11%	9%	38%	15%	7%
Status		***			***			***			***			***			***			***			***	
Full-Time	14%	40%	16%	13%	22%	41%	14%	45%	12%	14%	42%	14%	20%	29%	21%	11%	49%	7%	14%	31%	22%	19%	27%	12%
Part-Time	34%	24%	3%	35%	21%	4%	36%	25%	2%	34%	23%	5%	45%	19%	6%	29%	29%	2%	46%	16%	2%	35%	21%	1%
Educational Obj		***			***			***			***			***			***			***				
Certificate	24%	22%	26%	14%	20%	42%	26%	21%	22%	28%	24%	22%	16%	26%	35%	22%	22%	25%	24%	15%	34%	10%	30%	0%
A.S.	19%	37%	12%	17%	21%	37%	22%	39%	8%	18%	41%	9%	13%	36%	16%	18%	40%	4%	22%	30%	17%	--	--	--
A.A.	23%	33%	4%	21%	27%	3%	22%	38%	3%	20%	34%	2%	32%	22%	10%	21%	37%	3%	29%	24%	7%	30%	23%	5%
Unclassified	59%	10%	<1%	60%	11%	0%	56%	11%	0%	67%	4%	1%	68%	9%	0%	50%	14%	0%	63%	7%	0%	32%	15%	0%
Program		***			***			***			***			***			***			***				
Liberal Arts	23%	33%	4%	21%	27%	3%	22%	38%	2%	20%	34%	2%	33%	22%	10%	21%	37%	3%	29%	24%	7%	30%	23%	5%
Business	19%	35%	12%	12%	25%	31%	--	--	--	23%	37%	8%	14%	31%	15%	15%	39%	5%	21%	31%	22%	10%	30%	0%
Health Services	16%	26%	40%	20%	8%	63%	--	--	--	13%	28%	39%	19%	26%	44%	--	--	--	26%	30%	15%	--	--	--
Hotel/Food Services	22%	38%	12%	40%	20%	20%	9%	61%	4%	23%	36%	11%	--	--	--	20%	42%	15%	--	--	--	--	--	--
Public Services	23%	33%	8%	24%	32%	8%	25%	32%	7%	14%	24%	14%	5%	50%	14%	19%	32%	9%	6%	50%	13%	--	--	--
Technology	21%	33%	18%	15%	16%	52%	21%	38%	12%	--	--	--	15%	32%	26%	25%	36%	6%	25%	20%	20%	--	--	--
Unclassified	59%	10%	<1%	60%	11%	0%	56%	11%	0%	67%	4%	1%	68%	9%	0%	50%	14%	0%	63%	7%	0%	32%	15%	0%
Grade Point Ave		***			***			***			***			***			***			***			***	
3.5 & above	24%	24%	14%	27%	10%	34%	20%	30%	16%	21%	26%	19%	40%	15%	14%	22%	27%	8%	30%	20%	15%	22%	24%	7%
3.0-3.4	17%	37%	13%	16%	21%	42%	20%	38%	9%	12%	43%	17%	30%	21%	20%	14%	44%	5%	21%	27%	15%	17%	26%	9%
2.0-2.9	11%	45%	8%	10%	29%	29%	12%	47%	8%	9%	52%	10%	13%	37%	12%	11%	47%	2%	10%	36%	11%	14%	37%	0%
Below 2.0	54%	12%	<1%	40%	19%	1%	47%	21%	0%	48%	9%	0%	75%	6%	2%	59%	11%	0%	77%	2%	1%	70%	3%	0%
Cr Completion Ratio		***			***			***			***			***			***			***			***	
1.00	28%	25%	17%	26%	12%	42%	30%	29%	13%	22%	28%	23%	48%	15%	17%	23%	32%	7%	41%	14%	18%	30%	20%	9%
.90-.99	1%	59%	25%	0%	30%	63%	1%	62%	23%	0%	72%	16%	0%	45%	41%	2%	68%	13%	3%	40%	33%	0%	71%	21%
.80-.89	4%	52%	8%	8%	44%	16%	3%	60%	7%	4%	56%	8%	16%	32%	8%	3%	54%	5%	4%	42%	13%	10%	41%	8%
.70-.79	8%	50%	4%	5%	42%	11%	9%	56%	4%	8%	51%	4%	10%	52%	7%	7%	50%	1%	11%	44%	10%	14%	32%	0%
.60-.69	10%	37%	4%	11%	27%	24%	8%	39%	3%	11%	40%	3%	8%	33%	3%	8%	45%	0%	17%	23%	6%	9%	16%	2%
.50-.59	17%	31%	<1%	10%	23%	0%	14%	36%	1%	13%	20%	1%	16%	19%	0%	20%	36%	1%	19%	29%	2%	24%	37%	0%
Below .50	48%	13%	<1%	45%	12%	0%	45%	18%	<1%	54%	7%	<1%	63%	9%	0%	44%	17%	<1%	57%	8%	1%	46%	11%	0%

[a] Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

APPENDIX B

DETAILED TABLES ON PERSISTANCE
COMMUNITY COLLEGE TOTAL

SEX BY ATTDTYPE TYPE OF ATTENDANCE

SEX	ATTDTYPE 1 SEMEST ER ONLY	2 SEMEST ERS ONLY	3 SEMEST ERS ONLY	4 SEMEST ERS ONLY	GRADUATE	ROW TOTAL
	1	2	3	4	9	
0 NO DATA	2	0	0	0	0	2
	100.0	0.0	0.0	0.0	0.0	0.0
1 FEMALE	1173	933	496	1233	402	4237
	27.7	22.0	11.7	29.1	9.5	47.2
2 MALE	1102	1180	558	1546	354	4740
	23.2	24.9	11.8	32.6	7.5	52.8
COLUMN TOTAL	2277	2113	1054	2779	756	8979
	25.4	23.5	11.7	30.9	8.4	100.0

RAW CHI SQUARE = 50.87682 WITH 8 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

AGEGRP AGE GROUPINGS BY ATTDTYPE TYPE OF ATTENDANCE

AGEGRP	ATTDTYPE 1 SEMEST ER ONLY	2 SEMEST ERS ONLY	3 SEMEST ERS ONLY	4 SEMEST ERS ONLY	GRADUATE	ROW TOTAL
	1	2	3	4	9	
1 BELOW 19	704	819	462	1459	364	3808
	18.5	21.5	12.1	38.3	9.6	42.4
2 19 -- 21	510	354	187	406	157	1614
	31.6	21.9	11.6	25.2	9.7	18.0
3 22 -- 24	331	161	105	172	77	846
	39.1	19.0	12.4	20.3	9.1	9.4
4 25 -- 29	332	231	139	297	73	1072
	31.0	21.5	13.0	27.7	6.8	11.9
5 OVER 29	400	548	161	445	85	1639
	24.4	33.4	9.8	27.2	5.2	18.3
COLUMN TOTAL	2277	2113	1054	2779	756	8979
	25.4	23.5	11.7	30.9	8.4	100.0

RAW CHI SQUARE = 425.54785 WITH 16 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

MARSTAT MARITAL STATUS BY ATTDTYPE TYPE OF ATTENDANCE

MARSTAT	ATTDTYPE 1 SEMEST ER ONLY	2 SEMEST ERS ONLY	3 SEMEST ERS ONLY	4 SEMEST ERS ONLY	GRADUATE	ROW TOTAL
	1	2	3	4	9	
0 NO DATA	1	0	0	0	0	1
	100.0	0.0	0.0	0.0	0.0	0.0
1 SINGLE	1610	1428	780	2113	613	6544
	24.6	21.8	11.9	32.3	9.4	72.9
2 MARRIED	664	674	274	666	142	2420
	27.4	27.9	11.3	27.5	5.9	27.0
3 OTHER	2	11	0	0	1	14
	14.3	78.6	0.0	0.0	7.1	0.2
COLUMN TOTAL	2277	2113	1054	2779	756	8979
	25.4	23.5	11.7	30.9	8.4	100.0

RAW CHI SQUARE = 99.79184 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

HSGRP HIGH SCHOOL GROUPINGS BY ATTDTYPE TYPE OF ATTENDANCE

HSGRP	ATTDTYPE 1 SEMEST ER ONLY (1)	2 SEMEST ERS ONLY (2)	3 SEMEST ERS ONLY (3)	4 SEMEST ERS ONLY (4)	GRADUATE (9)	ROW TOTAL
0 NO DATA	25 / 29.1	19 / 22.1	11 / 12.8	29 / 33.7	2 / 2.3	86 / 1.0
1 PUBLIC OAHU	1004 / 22.7	1012 / 22.9	556 / 12.6	1589 / 36.0	254 / 5.8	4415 / 49.2
2 PUBLIC NEI ISLE	339 / 21.9	350 / 22.6	151 / 9.7	425 / 27.4	285 / 18.4	1550 / 17.3
3 PRIVATE HI STATE	195 / 24.8	202 / 25.7	85 / 10.8	239 / 30.4	64 / 8.2	785 / 8.7
4 US MAIN & PUSS	406 / 34.9	284 / 24.4	128 / 11.0	249 / 21.4	96 / 8.3	1163 / 13.0
5 FOREIGN	136 / 32.4	89 / 21.2	51 / 12.1	116 / 27.6	28 / 6.7	420 / 4.7
6 OTHER	172 / 30.7	157 / 28.0	72 / 12.9	132 / 23.6	27 / 4.8	560 / 6.2
COLUMN TOTAL	2277 / 25.4	2113 / 23.5	1054 / 11.7	2779 / 30.9	756 / 8.4	8979 / 100.0

RAW CHI SQUARE = 417.81396 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

ENTSTAT ENTERING STATUS BY ATTDTYPE TYPE OF ATTENDANCE

ENTSTAT	ATTDTYPE 1 SEMEST ER ONLY (1)	2 SEMEST ERS ONLY (2)	3 SEMEST ERS ONLY (3)	4 SEMEST ERS ONLY (4)	GRADUATE (9)	ROW TOTAL
1 NEW	1499 / 22.8	1543 / 23.5	782 / 11.9	2248 / 34.2	505 / 7.7	6577 / 73.2
2 TRANSFER	778 / 32.4	570 / 23.7	272 / 11.3	531 / 22.1	251 / 10.4	2402 / 26.8
COLUMN TOTAL	2277 / 25.4	2113 / 23.5	1054 / 11.7	2779 / 30.9	756 / 8.4	8979 / 100.0

RAW CHI SQUARE = 163.36198 WITH 4 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

FPTIME FULL- OR PART-TIME STATUS BY ATTDTYPE TYPE OF ATTENDANCE

FPTIME	ATTDTYPE 1 SEMEST ER ONLY (1)	2 SEMEST ERS ONLY (2)	3 SEMEST ERS ONLY (3)	4 SEMEST ERS ONLY (4)	GRADUATE (9)	ROW TOTAL
1 FULLTIME	525 / 13.6	789 / 20.4	397 / 10.3	1548 / 40.0	614 / 15.9	3873 / 43.1
2 PARTTIME	1752 / 34.3	1324 / 25.9	657 / 12.9	1231 / 24.1	142 / 2.8	5106 / 56.9
COLUMN TOTAL	2277 / 25.4	2113 / 23.5	1054 / 11.7	2779 / 30.9	756 / 8.4	8979 / 100.0

RAW CHI SQUARE = 1041.96484 WITH 4 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

EDOBJ EDUCATIONAL OBJECTIVE BY ATTDTYPE TYPE OF ATTENDANCE

EDOBJ	ATTDTYPE 1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
	1	2	3	4	9	
0 NO DATA	1	0	0	0	0	1
	100.0	0.0	0.0	0.0	0.0	0.0
4 OTHER	512	201	77	84	1	875
	58.5	23.0	8.8	9.6	0.1	9.7
5 CERTIFICATE	221	155	102	205	242	925
	23.9	16.8	11.0	22.2	26.2	10.3
7 ASSOC. SCIENCES	575	646	322	1112	364	3019
	19.0	21.4	10.7	36.8	12.1	33.6
9 ASSOC. ARTS	968	1111	553	1378	149	4159
	23.3	26.7	13.3	33.1	3.6	46.3
COLUMN TOTAL	2277	2113	1054	2779	756	8979
	25.4	23.5	11.7	30.9	8.4	100.0

RAW CHI SQUARE = 1270.52954 WITH 16 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

ORGSTR ORGANIZATIONAL STRUCTURE BY ATTDTYPE TYPE OF ATTENDANCE

ORGSTR	ATTDTYPE 1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
	1	2	3	4	9	
59 NO DATA	1	4	0	0	0	5
	20.0	80.0	0.0	0.0	0.0	0.1
60 LIBERAL ARTS	967	1107	551	1374	147	4146
	23.3	26.7	13.3	33.1	3.5	46.2
62 BUSINESS	320	374	185	577	196	1652
	19.4	22.6	11.2	34.9	11.9	18.4
64 HEALTH SERVICES	45	44	12	71	115	287
	15.7	15.3	4.2	24.7	40.1	3.2
66 HOTEL & FOOD SVS	52	45	20	89	28	234
	22.2	19.2	8.5	38.0	12.0	2.6
72 PUBLIC SERVICES	117	128	61	170	43	519
	22.5	24.7	11.8	32.8	8.3	5.8
74 TECHNOLOGY	264	210	148	414	226	1262
	20.9	16.6	11.7	32.8	17.9	14.1
78 OTHER	511	201	77	84	1	874
	58.5	23.0	8.8	9.6	0.1	9.7
COLUMN TOTAL	2277	2113	1054	2779	756	8979
	25.4	23.5	11.7	30.9	8.4	100.0

RAW CHI SQUARE = 1370.23315 WITH 28 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

GPAGRP CUM GPA GROUPINGS BY ATTDTYPE TYPE OF ATTENDANCE

GPAGRP	ATTDTYPE 1 SEMEST ER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE 9	ROW TOTAL
1	385	444	178	394	231	1632
3.5 AND ABOVE	23.6	27.2	10.9	24.1	14.2	18.2
2	328	448	220	727	263	1986
3.0 --- 3.4	16.5	22.6	11.1	36.6	13.2	22.1
3	326	688	421	1380	258	3073
2.0 --- 2.9	10.6	22.4	13.7	44.9	8.4	34.2
4	1238	533	235	278	4	2288
BELOW 2.0	54.1	23.3	10.3	12.2	0.2	25.5
COLUMN TOTAL	2277 25.4	2113 23.5	1054 11.7	2779 30.9	756 8.4	8979 100.0

RAW CHI SQUARE = 1903.53638 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

COMPRATE CREDIT COMPLETION RATIO BY ATTDTYPE TYPE OF ATTENDANCE

COMPRATE	ATTDTYPE 1 SEMEST ER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE 9	ROW TOTAL
1	643	507	168	572	399	2287
1.00	28.1	22.2	7.3	25.0	17.4	25.5
2	8	57	66	492	208	831
.90--.99	1.0	6.9	7.9	59.2	25.0	9.3
3	45	230	131	534	82	1022
.80--.89	4.4	22.5	12.8	52.3	8.0	11.4
4	61	175	121	378	28	763
.70--.79	8.0	22.9	15.9	49.5	3.7	8.5
5	64	102	133	235	26	640
.60--.69	10.0	28.4	20.8	36.7	4.1	7.1
6	109	232	106	200	5	652
.50--.59	16.7	35.6	16.3	30.7	0.8	7.3
7	1347	730	331	368	8	2784
BELOW .5	48.4	26.2	11.9	13.2	0.3	31.0
COLUMN TOTAL	2277 25.4	2113 23.5	1054 11.7	2779 30.9	756 8.4	8979 100.0

RAW CHI SQUARE = 2961.43555 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

APPENDIX C-1
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
HAWAII COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses by program, are available at each campus. Data on the health and hotel/food services programs are not included because enrollments were under 50. Data on the public services program are not included although there were 50 enrolled in the program since there were fewer than 20 students in each of the categories.
"Number" is the number enrolled (graduated); "percent" is the number enrolled (graduated) divided by total number who entered in Fall 1975.

Characteristics[a]	(190) Liberal Arts			(198) Business			(167) Technology			(83) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(40)	(52)	(6)[b]	(23)	(49)	(62)	(25)	(26)	(87)	(50)	(9)[b]	(0)
Percent	21%	27%	3%	12%	25%	31%	15%	16%	52%	60%	11%	--
Sex		**										
Female	21%	19%	--	12%	26%	32%	13%	33%	33%	68%	--	--
Male	21%	33%	--	11%	17%	29%	15%	14%	54%	50%	--	--
Age		*			**			***				
Below 19	23%	23%	--	10%	28%	36%	12%	18%	57%	67%[c]	--	--
19-21	32%	24%	--	12%	19%	35%	8%	12%	68%	30%	--	--
22-24	28%	28%	--	25%	25%	25%	33%	0%	50%	74%	--	--
25-29	11%	43%	--	18%	9%	18%	35%	24%	12%	63%	--	--
Over 29	9%	27%	--	11%	17%	6%	0%	0%	29%[c]	58%	--	--
Marital Status								**				
Single	26%	24%	--	10%	26%	35%	14%	16%	56%	57%	--	--
Married	9%	35%	--	18%	18%	15%	19%	14%	29%	65%	--	--
High Sch Backgr					**			***				
Public, Oahu	22%	28%	--	50%	0%	17%[c]	0%	20%[c]	40%[c]	67%[c]	--	--
Public, Neighbor Is	21%	27%	--	8%	27%	35%	12%	18%	57%	62%	--	--
Private, Hawaii	19%	10%	--	20%	30%[c]	25%	14%[c]	29%[c]	43%[c]	67%[c]	--	--
U.S. Main & Poss.	16%	47%	--	42%[c]	14%[c]	0%	22%[c]	0%[c]	44%[c]	69%	--	--
Foreign Countries	25%[c]	38%[c]	--	0%[c]	33%[c]	17%[c]	100%[c]	0%	0%	20%	--	--
Other	31%	23%	--	13%[c]	0%	13%[c]	29%	0%	29%	83%[c]	--	--
Entry					*							
New	20%	29%	--	10%	27%	32%	15%	17%	52%	67%	--	--
Transfer	26%	21%	--	20%	12%	28%	11%	6%	50%	51%	--	--
Status					*			***				
Full-Time	12%	31%	--	9%	25%	36%	12%	16%	59%	33%[c]	--	--
Part-Time	24%	26%	--	21%	26%	14%	42%	11%	0%	62%	--	--
Educational Obj												
Certificate	—	--	--	7%	27%	27%	12%	15%	64%	—	--	--
A.S.	—	--	--	14%	24%	34%	16%	16%	49%	—	--	--
A.A.	21%	27%	--	—	--	--	—	--	--	—	--	--
Unclassified	—	--	--	—	--	--	—	--	--	60%	--	--
Grade Point Ave		*			***			***				
3.5 & above	30%[c]	17%	--	19%	8%	50%	4%	4%	76%	67%	--	--
3.0-3.4	13%	32%	--	2%	20%	56%	8%	13%	77%	62%	--	--
2.0-2.9	10%	38%	--	4%	36%	32%	7%	18%	54%	29%	--	--
Below 2.0	34%	16%	--	26%	21%	2%	43%	24%	0%	74%	--	--
Cr Completion Ratio		***			***			***			***	
1.00	25%	25%	--	13%	5%	63%	6%	8%	80%	73%	--	--
.90-.99	0%	75%	--	0%	39%	61%	0%	10%	82%	0%	--	--
.80-.89	0%	47%	--	8%	42%	23%	14%	43%	21%	0%	--	--
.70-.79	6%	41%	--	5%	40%	25%	10%[c]	60%	0%[c]	0%	--	--
.60-.69	21%	36%	--	6%	28%	11%	25%[c]	25%[c]	0%[c]	0%	--	--
.50-.59	27%	13%	--	0%	36%	0%	0%[c]	29%[c]	0%[c]	0%	--	--
Below .50	31%	13%	--	29%	20%	0%	61%	7%[c]	0%	69%	--	--

[a]Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b]No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c]Percentage is based on fewer than 10 students.

APPENDIX C-2
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED
BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
HONOLULU COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on the hotel/food services program are not included because enrollment was under 50.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1975.

Characteristics[a]	(535) Liberal Arts			(357) Public Services			(748) Technology			(167) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(117)	(203)	(13)[b]	(90)	(113)	(26)	(160)	(286)	(88)	(93)	(19)[b]	(0)
Percent	22%	38%	2%	25%	32%	7%	21%	38%	12%	56%	11%	--
Sex					***			***				
Female	21%	39%	--	35%	20%	0%	23%	25%	7%	59%	--	--
Male	22%	37%	--	21%	37%	11%	21%	41%	13%	51%	--	--
Age					*							
Below 19	21%	43%	--	12%	40%	4%	18%	42%	12%	67%	--	--
19-21	28%	35%	--	31%	33%	6%	23%	39%	10%	83%	--	--
22-24	25%	37%	--	15%	30%	13%	31%	31%	11%	62%	--	--
25-29	18%	39%	--	31%	31%	9%	26%	34%	7%	71%	--	--
Over 29	14%	27%	--	31%	26%	8%	20%	26%	22%	47%	--	--
Marital Status					**						*	
Single	22%	40%	--	20%	36%	6%	21%	38%	12%	70%	--	--
Married	21%	30%	--	31%	27%	8%	24%	39%	9%	50%	--	--
High Sch Backgr					***						*	
Public, Oahu	22%	43%	--	22%	37%	5%	20%	40%	11%	56%	--	--
Public, Neighbor Is	23%	27%	--	36%	23%	14%	22%	37%	11%	73%	--	--
Private, Hawaii	20%	39%	--	21%	29%	15%	22%	37%	17%	39%	--	--
U.S. Main & Poss.	21%	31%	--	30%	38%	14%	26%	28%	23%	66%	--	--
Foreign Countries	17%	25%	--	19%	5%	0%	27%	38%	9%	50%	--	--
Other	27%	32%	--	37%	27%	3%	33%	26%	2%	46%	--	--
Entry		*			*						**	
New	21%	42%	--	23%	35%	5%	21%	39%	12%	46%	--	--
Transfer	24%	27%	--	30%	25%	13%	24%	37%	12%	69%	--	--
Status		***			***			***				
Full-Time	12%	51%	--	9%	41%	--	16%	42%	17%	40%	--	--
Part-Time	35%	21%	--	33%	27%	--	30%	33%	4%	56%	--	--
Educational Obj								***				
Certificate	--	--	--	42%	21%	8%	23%	19%	24%	--	--	--
A.S.	--	--	--	24%[c]	32%[c]	7%[c]	21%	42%	9%	--	--	--
A.A.	22%	38%	--	11%[c]	33%[c]	11%[c]	--	--	--	--	--	--
Unclassified	--	--	--	--	--	--	--	--	--	56%	--	--
Grade Point Ave		***			***			***			***	
3.5 & above	21%	30%	--	27%	16%	17%	9%	41%	32%	32%	--	--
3.0-3.4	10%	43%	--	20%	31%	5%	12%	50%	17%	70%	--	--
2.0-2.9	13%	48%	--	8%	53%	9%	11%	46%	11%	48%	--	--
Below 2.0	39%	27%	--	45%	21%	0%	48%	19%	0%	91%	--	--
Cr Completion Ratio		***			***			***			***	
1.00	32%	23%	--	28%	26%	12%	15%	41%	25%	59%	--	--
.90-.99	0%	68%	--	0%	54%	39%	0%	62%	23%	100%[c]	--	--
.80-.89	0%	59%	--	0%	66%	6%	7%	57%	12%	0%[c]	--	--
.70-.79	9%	57%	--	8%	50%	0%	11%	59%	8%	0%[c]	--	--
.60-.69	8%	53%	--	20%	35%	5%	4%	35%	4%	0%	--	--
.50-.59	15%	36%	--	17%	46%	0%	11%	41%	0%	18%	--	--
Below .50	35%	26%	--	40%	17%	0%	51%	14%	0%	78%	--	--

[a] Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b] No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c] Percentage is based on fewer than 10 students.

APPENDIX C-3
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
KAPIOLANI COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on public services program are not included because the enrollment was under 50.
"Number" is the number enrolled (graduated); "percent" is the number enrolled (graduated) divided by total number who entered in Fall 1975.

Characteristics[a]	(646) Liberal Arts			(833) Business			(204) Health Services			(150) Hotel/Food Services			(141) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(131)	(220)	(13)[b]	(195)	(306)	(69)	(27)	(56)	(79)	(34)	(54)	(17)[b]	(95)	(5)[b]	(1)[b]
Percent	20%	34%	2%	23%	37%	8%	13%	28%	39%	23%	36%	11%	67%	4%	<1%
Sex					***			***						**	
Female	22%	34%	--	23%	39%	11%	13%	27%	46%	13%	46%	--	78%	--	--
Male	18%	34%	--	23%	32%	2%	16%	29%	8%	27%	32%	--	51%	--	--
Age		**			***			***							
Below 19	20%	37%	--	16%	46%	11%	16%	47%	29%	22%	39%	--	64%	--	--
19-21	24%	27%	--	37%	28%	7%	7%	25%	59%	33%	30%	--	75%	--	--
22-24	27%	22%	--	49%	15%	4%	9%	23%	49%	25%	25%	--	67%	--	--
25-29	20%	31%	--	17%	29%	5%	16%	19%	36%	14%	43%	--	64%	--	--
Over 29	8%	37%	--	23%	26%	1%	19%	16%	23%	17%	35%	--	64%	--	--
Marital Status					***			***							
Single	21%	34%	--	24%	39%	9%	16%	31%	42%	24%	34%	--	64%	--	--
Married	14%	37%	--	22%	26%	2%	9%	21%	34%	14%	47%	--	73%	--	--
High Sch Backgr					*										
Public, Oahu	18%	37%	--	20%	40%	9%	12%	30%	45%	19%	39%	--	68%	--	--
Public, Neighbor Is	31%	19%	--	27%	31%	12%	17%	42%	25%	33%	13%	--	50%	--	--
Private, Hawaii	20%	31%	--	33%	29%	5%	17%	26%	44%	22%[c]	67%[c]	--	46%	--	--
U.S. Main & Poss	28%	16%	--	26%	34%	5%	15%	21%	25%	33%	33%	--	79%	--	--
Foreign	32%	53%	--	41%	32%	9%	0%	0%	100%[c]	50%[c]	13%[c]	--	73%	--	--
Other	14%	29%	--	25%	18%	4%	20%	20%	20%	17%	33%	--	60%	--	--
Entry		*			***						***				
New	21%	36%	--	20%	41%	9%	18%	31%	30%	24%	40%	--	62%	--	--
Transfer	18%	26%	--	34%	26%	6%	8%	24%	48%	19%	23%	--	73%	--	--
Status		***			***			**						**	
Full-Time	12%	46%	—	14%	49%	11%	11%	29%	46%	26%	30%	—	44%	--	—
Part-Time	29%	22%	—	31%	27%	6%	18%	23%	23%	18%	45%	—	70%	--	—
Educational Obj					***			***							
Certificate	—	--	--	33%	25%	12%	8%	8%	72%	25%	37%	--	—	--	--
A.S.	—	--	--	18%	44%	6%	16%	39%	19%	21%	36%	--	—	--	--
A.A.	20%	34%	--	—	--	--	—	--	--	—	--	--	—	--	--
Unclassified	—	--	--	—	--	--	—	--	--	—	--	--	67%	--	--
Grade Point Ave		***			***			***			***			*	
3.5 & above	19%	33%	--	18%	30%	17%	0%	25%	45%	23%	19%	--	69%	--	--
3.0-3.4	9%	44%	--	12%	55%	12%	1%	29%	49%	13%	54%	--	65%	--	--
2.0-2.9	6%	53%	--	9%	58%	12%	5%	34%	41%	8%	56%	--	40%	--	--
Below 2.0	41%	9%	--	46%	9%	0%	77%	13%	0%	44%	15%	--	78%	--	--
Cr Completion Ratio		***			***			***			***			***	
1.00	18%	36%	--	23%	33%	21%	2%	19%	61%	22%	36%	--	81%	--	--
.90-.99	0%	79%	--	0%	78%	18%	0%	46%	42%	0%	50%	--	0%[c]	--	--
.80-.89	1%	51%	--	5%	61%	10%	0%	53%	27%	0%	71%	--	33%[c]	--	--
.70-.79	10%	48%	--	5%	56%	5%	13%	56%	6%	5%	45%	--	25%[c]	--	--
.60-.69	3%	41%	--	16%	38%	4%	0%[c]	80%[c]	0%[c]	0%	46%	--	33%[c]	--	--
.50-.59	4%	24%	--	17%	19%	0%	0%[c]	13%[c]	0%[c]	30%	30%	--	33%[c]	--	--
Below .50	47%	6%	--	50%	10%	1%	74%	7%	0%	65%	4%	--	73%	--	--

[a]Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b]No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c]Percentage is based on fewer than 10 students.

APPENDIX C-4
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR ...TERS, OR GRADUATED
BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS ... CHARACTERISTICS
KAUAI COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix ... similar data for individual campuses, by program, are available at each campus. Data on the health services and pu... services programs are not included because enrollments were under 50.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1975.

Characteristics[a]	(162) Liberal Arts			(80) Business			(73) Technology			(132) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(53)	(36)	(16)[b]	(11)[b]	(25)	(12)[b]	(11)[b]	(23)	(19)[b]	(90)	(12)[b]	(0)
Percent	33%	22%	10%	14%	31%	15%	15%	32%	26%	68%	9%	--
Sex												
Female	39%	22%	--	—	32%	--	—	0%	--	72%	--	--
Male	28%	22%	--	—	27%	--	—	32%	--	57%	--	--
Age												
Below 19	31%	27%	--	—	36%	--	—	34%	--	67%[c]	--	--
19-21	43%	21%	--	—	23%	--	—	18%	--	71%	--	--
22-24	46%	8%	--	—	33%	--	—	0%[c]	--	79%	--	--
25-29	31%	31%	--	—	0%	--	—	67%[c]	--	60%	--	--
Over 29	14%	14%	--	—	17%	--	—	44%[c]	--	70%	--	--
Marital Status		*										
Single	39%	19%	--	—	34%	--	—	27%	--	69%	--	--
Married	18%	30%	--	—	17%	--	—	60%	--	68%	--	--
High Sch Backgr		**										
Public, Oahu	40%	20%	--	—	0%[c]	--	—	0%[c]	--	92%	--	--
Public, Neighbor Is	17%	31%	--	—	36%	--	—	34%	--	69%	--	--
Private, Hawaii	60%[c]	0%[c]	--	—	--	--	—	100%[c]	--	100%[c]	--	--
U.S. Main & Poss.	42%	19%	--	—	0%[c]	--	—	17%[c]	--	57%	--	--
Foreign	58%	0%	--	—	0%[c]	--	—	--	--	75%	--	--
Other	50%	20%	--	—	50%[c]	--	—	20%[c]	--	56%[c]	--	--
Entry		*									*	
New	33%	27%	--	—	31%	--	—	32%	--	74%	--	--
Transfer	32%	13%	--	—	36%	--	—	30%	--	63%	--	--
Status		*										
Full-Time	25%	23%	--	—	34%	--	—	36%	--	60%	--	--
Part-Time	39%	22%	--	—	25%	--	—	27%	--	69%	--	--
Educational Obj												
Certificate	100%[c]	0%[c]	--	—	33%	--	—	33%	--	—	--	--
A.S.	—	--	--	—	33%	--	—	31%	--	—	--	--
A.A.	32%	22%	--	—	--	--	—	--	--	—	--	--
Unclassified	—	--	--	—	--	--	—	--	--	68%	--	--
Grade Point Ave		***			***			*				
3.5 & above	22%	13%	--	—	13%[c]	--	—	60%[c]	--	60%	--	--
3.0-3.4	31%	16%	--	—	33%	--	—	31%	--	68%	--	--
2.0-2.9	16%	37%	--	—	41%	--	—	37%	--	50%	--	--
Below 2.0	79%	3%	--	—	13%	--	—	12%	--	89%	--	--
Cr Completion Ratio		***			***			***			***	
1.00	35%	16%	--	—	0%[c]	--	—	27%	--	74%	--	--
.90-.99	0%	57%	--	—	47%	--	—	50%	--	0%[c]	--	--
.80-.89	43%	21%	--	—	50%[c]	--	—	25%[c]	--	0%[c]	--	--
.70-.79	17%	33%	--	—	60%[c]	--	—	57%[c]	--	33%[c]	--	--
.60-.69	11%[c]	44%[c]	--	—	33%[c]	--	—	25%[c]	--	13%[c]	--	--
.50-.59	14%	14%	--	—	31%	--	—	0%[c]	--	50%[c]	--	--
Below .50	62%	7%	--	—	18%	--	—	16%	--	85%	--	--

[a] Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b] No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c] Percentage is based on fewer than 10 students.

APPENDIX C-5
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
LEEWARD COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on the hotel/food services program are not included because enrollment was under 50. Data on the public services program are also not included although the enrollment was 53 because there were fewer than 20 students in each of the categories.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1975.

Characteristics[a]	(1,800) Liberal Arts			(368) Business			(156) Technology			(153) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(385)	(671)	(52)	(56)	(144)	(18)[b]	(39)	(56)	(9)[b]	(76)	(21)	(0)
Percent	21%	37%	3%	15%	39%	5%	25%	36%	6%	50%	14%	--
Sex					***							
Female	23%	37%	3%	18%	34%	--	25%	33%	--	47%	14%	--
Male	21%	38%	3%	13%	45%	--	25%	36%	--	54%	14%	--
Age		***						**			***	
Below 19	17%	44%	2%	12%	41%	--	21%	36%	--	38%	0%	--
19-21	31%	25%	4%	17%	32%	--	43%	29%	--	48%	20%	--
22-24	40%	25%	4%	33%	22%	--	47%	33%	--	71%	8%	--
25-29	25%	34%	4%	28%	41%	--	19%	31%	--	57%	17%	--
Over 29	12%	38%	4%	11%	41%	--	5%	50%	--	40%	15%	--
Marital Status		*										
Single	22%	38%	3%	15%	39%	--	28%	33%	--	49%	15%	--
Married	19%	35%	4%	15%	40%	--	17%	44%	--	51%	13%	--
High Sch Backgr		***										
Public, Oahu	20%	40%	2%	14%	38%	--	29%[c]	33%[c]	--	44%[c]	16%[c]	--
Public, Neighbor Is	25%	25%	2%	7%	52%	--	20%[c]	40%[c]	--	33%[c]	0%[c]	--
Private, Hawaii	24%	38%	1%	12%	46%	--	8%	58%	--	80%	0%	--
U.S. Main & Poss.	24%	30%	9%	23%	30%	--	8%[c]	46%[c]	--	67%	10%	--
Foreign	17%	41%	4%	20%	55%	--	33%[c]	0%[c]	--	33%[c]	22%[c]	--
Other	28%	27%	3%	25%	29%	--	21%	36%	--	50%	21%	--
Entry		***						**				
New	19%	41%	1%	15%	41%	--	23%	37%	--	47%	10%	--
Transfer	29%	26%	8%	15%	34%	--	32%	32%	--	54%	19%	--
Status		***			*							
Full-Time	10%	51%	6%	8%	46%	--	16%	43%	--	40%	30%	--
Part-Time	28%	29%	1%	18%	37%	--	31%	31%	--	50%	13%	--
Educational Obj					***			**				
Certificate	—	--	--	15%	23%	--	47%	13%	--	—	--	--
A.S.	—	--	--	16%[c]	42%	--	23%	38%	--	—	--	--
A.A.	21%	37%	3%	0%[c]	25%[c]	--	—	--	--	—	--	--
Unclassified	—	--	--	—	--	--	—	--	--	50%	14%	--
Grade Point Ave		***			***			***			***	
3.5 & above	18%	29%	8%	15%	28%	--	33%	33%	--	49%	9%	--
3.0-3.4	14%	46%	4%	7%	48%	--	12%	37%	--	29%	21%	--
2.0-2.9	10%	49%	2%	5%	48%	--	11%	53%	--	36%	22%	--
Below 2.0	59%	9%	0%	51%	18%	--	57%	11%	--	90%	3%	--
Cr Completion Ratio		***			***			***			***	
1.00	21%	34%	7%	12%	41%	--	33%	30%	--	53%	9%	--
.90-.99	3%	69%	10%	0%	75%	--	0%	73%	--	0%[c]	33%[c]	--
.80-.89	3%	54%	4%	2%	54%	--	4%	52%	--	20%[c]	60%[c]	--
.70-.79	6%	48%	1%	3%	60%	--	10%	60%	--	20%	40%	--
.60-.69	8%	49%	0%	3%	36%	--	0%	46%	--	25%[c]	13%[c]	--
.50-.59	19%	39%	1%	19%	33%	--	18%	36%	--	29%	7%	--
Below .50	43%	18%	<1%	39%	14%	--	44%	19%	--	71%	8%	--

[a] Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b] No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c] Percentage is based on fewer than 10 students.

APPENDIX C-6
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
MAUI COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on the health services and public services programs are not included because enrollments were under 50.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1975.

Characteristics[a]	(353) Liberal Arts			(163) Business			(118) Technology			(139) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(101)	(85)	(26)	(34)	(50)	(35)	(29)	(23)	(23)	(88)	(9)[b]	(0)
Percent	29%	24%	7%	21%	31%	22%	25%	20%	20%	63%	7%	--
Sex												
Female	29%	19%	6%	24%	29%	23%	43%	7%	21%	61%	--	--
Male	28%	28%	8%	7%	37%	13%	22%	21%	19%	67%	--	--
Age		*										
Below 19	22%	30%	8%	16%	34%	24%	13%	26%	26%	64%	--	--
19-21	30%	13%	11%	30%	20%	25%	41%	18%	24%	50%	--	--
22-24	46%	12%	10%	50%[c]	0%[c]	0%[c]	44%[c]	11%[c]	11%[c]	67%	--	--
25-29	33%	27%	7%	20%	0%	0%	32%	0%	11%	69%	--	--
Over 29	25%	30%	0%	25%	25%	25%	25%	25%	10%	62%	--	--
Marital Status												
Single	28%	22%	9%	18%	32%	21%	23%	22%	20%	66%	--	--
Married	30%	30%	2%	31%	28%	22%	29%	13%	19%	61%	--	--
High Sch Backgr		**										
Public, Oahu	34%	11%	9%	14%[c]	14%	14%[c]	20%[c]	20%[c]	20%[c]	72%	--	--
Public, Neighbor Is	19%	35%	10%	20%	32%	24%	16%	26%	26%	50%	--	--
Private, Hawaii	27%	18%	0%	17%	39%	22%	18%	36%	18%	75%[c]	--	--
U.S. Main & Poss.	41%	16%	2%	38%[c]	25%[c]	13%[c]	35%	9%	13%	70%	--	--
Foreign Countries	41%	24%	12%	27%	9%	27%	67%[c]	0%[c]	0%[c]	56%	--	--
Other	25%	21%	17%	25%[c]	38%[c]	0%[c]	33%	0%	8%	43%[c]	--	--
Entry		**										
New	25%	30%	6%	20%	34%	22%	21%	21%	21%	64%	--	--
Transfer	37%	11%	10%	25%	10%	20%	36%	14%	14%	63%	--	--
Status		***			***			***				
Full-Time	17%	32%	14%	10%	36%	31%	13%	22%	33%	75%[c]	--	--
Part-Time	39%	17%	2%	41%	22%	5%	36%	17%	5%	63%	--	--
Educational Obj					*							
Certificate	—	--	--	19%	13%	44%	24%	17%	32%	—	--	--
A.S.	—	--	--	21%	33%	19%	25%	21%	13%	—	--	--
A.A.	29%	24%	7%	—	--	--	—	--	--	—	--	--
Unclassified	—	--	--	—	--	--	—	--	--	63%	--	--
Grade Point Ave		***			***			***			***	
3.5 & Above	34%	22%	10%	17%	10%	45%	19%	19%	29%	42%	--	--
3.0-3.4	12%	30%	10%	15%	39%	23%	17%	17%	28%	86%	--	--
2.0-2.9	13%	33%	3%	8%	46%	20%	9%	30%	19%	13%	--	--
Below 2.0	77%	2%	2%	60%	7%	0%	76%	0%	0%	86%	--	--
Cr Completion Ratio		***			***			***			***	
1.00	35%	20%	14%	20%	16%	48%	30%	11%	37%	70%	--	--
.90-.99	5%	42%	17%	0%	30%	63%	7%	33%	33%	0%[c]	--	--
.80-.89	5%	36%	10%	4%	61%	13%	8%	23%	39%	0%[c]	--	--
.70-.79	13%	50%	3%	20%	60%	10%	0%	25%	25%	20%[c]	--	--
.60-.69	23%	19%	4%	18%	18%	6%	0%	46%	0%	33%[c]	--	--
.50-.59	22%	28%	0%	0%[c]	33%[c]	11%[c]	10%	40%	0%	43%[c]	--	--
Below .50	52%	7%	1%	44%	23%	0%	60%	0%	0%	78%	--	--

[a]Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b]No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c]Percentage is based on fewer than 10 students.

APPENDIX C-7

PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS

WINDWARD COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on the business program are not included because enrollment was under 50. Data on unclassified students are not included although 59 students were enrolled because there were fewer than 20 students in each of the categories.

"Number" is the number enrolled (graduated); "percent" is the number enrolled (graduated) divided by total number who entered in Fall 1975.

Characteristics[a]	(460) Liberal Arts		
	1 Sem	4 Sem	Grad
Number	(140)	(107)	(21)
Percent	30%	23%	5%
Sex			
Female	35%	19%	5%
Male	26%	27%	4%
Age		*	
Below 19	27%	27%	4%
19-21	37%	13%	7%
22-24	44%	15%	0%
25-29	40%	26%	4%
Over 29	19%	30%	6%
Marital Status			
Single	32%	21%	5%
Married	26%	28%	5%
High Sch Backgr			
Public, Oahu	30%	25%	4%
Public, Neighbor Is	33%	17%	0%
Private, Hawaii	27%	27%	5%
U.S. Main & Poss.	36%	14%	10%
Foreign	25%	17%	0%
Other	24%	36%	0%
Entry		**	
New	28%	27%	3%
Transfer	37%	16%	9%
Status		***	
Full-Time	19%	27%	13%
Part-Time	35%	22%	1%
Educational Obj			
Certificate	—	--	--
A.S.	—	--	--
A.A.	30%	23%	5%
Unclassified	—	--	--
Grade Point Ave		***	
3.5 & above	21%	23%	8%
3.0-3.4	19%	27%	10%
2.0-2.9	14%	38%	0%
Below 2.0	71%	4%	0%
GPA Completion Ratio		***	
1.00	29%	23%	12%
.90-.99	0%	65%	25%
.80-.89	12%	40%	9%
.70-.79	17%	33%	0%
.60-.69	10%	18%	3%
.50-.59	24%	36%	0%
Below .50	45%	13%	0%

[a] Levels of significance, based on chi-square analysis, are denoted thus: *.05 level, ** .01 level, *** .001 level.

[b] No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c] Percentage is based on fewer than 10 students.

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